Replacement Parts List No. 7000136
Revision N 03/15

RoofPak
Condensing Unit

RCS Standalone
Medium Cabinet
Sizes 045 - 075 Tons
Vintage D
R410a

To find your Daikin Applied parts distributor, call 1-800-377-2787 or visit www.DaikinApplied.com

Contents

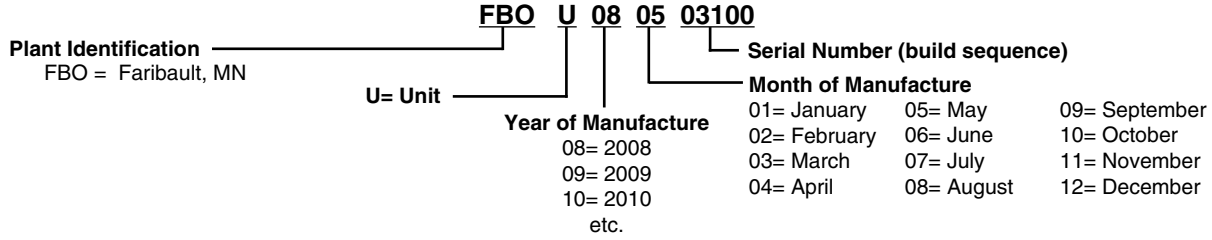
Parts List Revision History 3
Nomenclature
Serial Number 4
Model Number 4
Electrical Legend 5
Condenser Fan Deck Assembly
045- 068D 6, 7
070- 075D 8, 9
Quiet Fan Assemblies: Code 47= 3, 4 10
Compressors & Compressor Components
Unit Size 045D, 050D 11
Unit Size 060D, 062D 12
Unit Size 068D 13
Unit Sizes 070- 075D 14
Control Box
Diagrams 15, 16
Control Box Component Label Diagram 17
Control Panel (03/13 & Earlier)
Components 18, 19
T1 Transformer and Fusing 19
Compressor Contactors and Motor Protectors
Unit Size 045D Compressor MMP1- 4 and Contactor M1- 4 20
Unit Size 050D Compressor MMP1- 4 and Contactor M1- 4 21
Unit Size 060D, 062D Compressor MMP1- 4 and Contactor M1- 4 22
Unit Size 068D Compressor MMP1- 6 and Contactor M1- 6 23
Unit Size 070D, 072D Compressor MMP1- 6 and Contactor M1- 6 24
Unit Size 075D Compressor MMP1- 6 and Contactor M1- 6 25
Condenser Fan MMP12- 23, Contactors M12- 24, Fuses F11 & F21- Speedtrol Units 26
Condenser Fan MMP11, 12, 13, 21, 22, 23 and Contactors M11- 24- Fantrol Units 27
Control Panel (04/13 & Later)
Components 28, 29
T1 Transformer and Fusing 30
Compressor Contactors and Motor Protectors
045D Compressor MMP1- 4 and Contactor M1- 4 31
050D Compressor MMP1- 4 and Contactor M1- 4 32
060D, 062D Compressor MMP1- 4 and Contactor M1- 4 33
068D Compressor MMP1- 6 and Contactor M1- 6 34
070D, 072D Compressor MMP1- 6 and Contactor M1- 6 35
075D Compressor MMP1- 6 and Contactor M1- 6 36
Condenser Fan MMP12- 23, Contactors M12- 24, Fuses F11 & F21- Speedtrol Units 37
Condenser Fan MMP11, 12, 13, 21, 22, 23 and Contactors M11- 24- Fantrol Units 38
Pressure Manifolds- 045 thru 068D 39
Pressure Manifolds- 070 thru 075D 40
Factory Supplied Line Voltage Box: Code 23= YYYFY 41
Tubing 42
Vibration Isolators 42

Parts List Revision History

Rev.	Date	Description
New	03/09	New.
A	04/09	Page 6- Replaced 050D, 060D Fan Deck Detail drawing.
B	05/10	Updated Cover and Revision page with current design logo. Page 16: Changed GFR4 p/n **034937502** to **349937502**. Page 17: Replaced 600A DS Switch p/n **349935332** with **193438002**, DS Handle/mechanism **349935631** to **193437901**, & Shaft **349962303** to **349962241**. Added footnote #3 "**Original disconnect parts are obsolete. Due to dimensional differences minor field modifications may be required for proper installation.**"
C	07/10	Page 7: Added Vandal Guard Kit p/n 403909514. Added footnote #4. Page 16: Changed TD1, TD2 p/n **028210144** to **193464401**.
D	07/11	Page 7, 9: Added new Ref #111 Condenser Motor p/n 500552601 and updated descriptions. Added footnotes #1 & 2.
E	12/11	Page 4: Added 072D size. Page 9: Added Vandal Guard kit p/n: 403909515.
F	04/12	Cover, Page 3: Updated to Daikin McQuay logo format. Cover, Master Page: Updated tonnage rating range from 0**50**- 075D to 0**45**- 075D. Updated misc. Headers to match. Page 4: Updated unit coding to current revision. Page 2, 6, 7: Updated header to include 045 unit. Page 7, 9: Deleted Prop Ref #112 p/n 060013101. Page 2, 8, 9: Updated headers to include 072 unit. Page 10 (NEW): Added new page with Quiet Fan Assemblies. Repaginated form and updated TOC. Page 10 (OLD) 11 (NEW): Added size 045 to header and table. Deleted footnote #1. Updated compressor p/ns. Page 19 (NEW): Added new page for 045 Compressor Contactors and MMPs. Repaginated form and updated TOC. Page 19-22 (OLD) 19-24 (NEW): Updated Contactor p/ns. Updated 208/230V Contactor dwg. and added footnote #1 when applicable. Deleted unused Bub 1A. Page 24- 26 (OLD) 25- 28 (NEW): Updated Headings adding in additional unit sizes. Page 28 (OLD) 30 (NEW): Updated field installed Vibration Isolator p/ns.
G	06/12	Page 10: Updated Footnote. Page 18: Changed "McQuay Parts" to "**Daikin** McQuay Parts". Page 30: Added HGBP kit 193330721 and new Footnote #2. Renumbered footnotes. Updated Page Header.
H	09/12	Page 7, 9: Changed Ref #111 575V Motor from "113129000" to 046744203".
I	05/13	Page 5: Updated Electrical Legend as needed. Page 11- 13: Updated/rewrote footnotes. Page 15: Updated drawings and added footnotes. Page 17 (OLD) 18 (NEW): Rearranged tables and rewrote footnotes. Page 17 (NEW): Added page with Control Box Component Label diagram. Page 18 (OLD) 19 (NEW): Updated footnote notation. Page 19- 24 (OLD) 20- 25 (NEW): Rewrote footnote. Page 28- 38 (NEW): Added pages for 4/13 & Later Control Box components. Page 27, 28 (OLD) 39, 40 (NEW): Changed SpeedTrol LP Switch "403585501" to "910139364". Added footnote explaining pressure rating change. Page 29 (OLD) 41 (NEW): Added 4/13 & Later DS6 components. Page 30 (OLD) 42 (NEW): Updated HGBP kit to Liquid Line kit and components. Rewrote footnotes and footnote notations.
J	06/13	Page 4: Updated Model number codes. Page 28: Updated AFD11/21 p/ns to match Code 23 change.
K	03/14	Cover, Rev. pg.: Updated to Daikin Applied logo format. Various: Changed "Daikin **McQuay Parts**" to "Daikin **Applied**". Page 4, 41: Changed "**McQuay** Supplied..." to "**Factory** Supplied...". Updated TOC. Page 7, 9: Added "Code 47= 1, 2" to Ref #11 575V mtr. 046744203 description. Page 19: Rewrote footnote #2. Page 26, 27, 37: Changed page headers to reflect correct Code 47 coding. Page 38: Changed page headers to reflect correct Code 47 coding. Corrected table header from ""**50,** 060" to "**045-** 060". Page 42: Added RCS to RFS p/n into table. Rewrote footnote #2.
L	08/14	Various: Changed "**i**nsure" to "**e**nsure". Page 12, 13: Added in 5/14 & Later Compressors Ref # 1, 2. Rewrote footnote #1 & updated footnote notation.
M	08/14	Page 4: Updated Nomenclature coding. Page 7, 9: Added "5/13 & Earlier" to Ref #5 Cond Coil description. Added footnote #3.
N	03/15	Page 4: Updated Code 43 coding. Added new Code 67 info. Page 7, 9: Updated Cond. Coil p/ns. Rewrote footnotes. Page 42: Reorganized table & corrected footnote notation.

Nomenclature

Serial Number



Model Number

	RCS	050D	Y	Y	Y	Y	EY	D	12	AL	P1	1A	Y	Y	Y	Y	YP	YYYY	YY	YY	YYYY	YYY	YYYFY	All Y's
Code	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24- 41

	4	MY	R	1	1	1	Y	All Y's	YY	YY	All Y's	1AAY	047C	Y	B
Code	42	43	44	45	46	47	48	49-54	55	56	57-60	61-64	65	66	67

Codes 03- 06= Always Y (Qty. 4)

Code 07= Unit Approval Listings
CY= ETL- Canada EY= ETL/MEA USA YY= None

Code 08= Control Box Location
D= Standard

Code 09= Unit Voltage
12= 208/60/3 29= 230/60/3
27= 460/60/3 37= 575/60/3

Code 10= Starting Option
AL= Across- the- Line

Code 11= Field Power Connection
A2= Single Disconnect w/Through-the-Door Mechanism.
P1= Single Power Block
YY= None- Field wire to Fusing

Code 12= Temperature Controls Package
YA= No Temperature Controller, Standalone, Less Transformer
1A= No Temperature Controller, Standalone, 115V Transformer
2A= No Temperature Controller, Standalone, 24V Transformer

Codes 13-16= Always Y (Qty. 4)

Code 17= Miscellaneous Auxiliary Controls
YP= Phase Failure
YG= Ground Fault Protection
YC= YP + YG
YY= None

Code 18= Misc. Control Functions
AYYY, SYYY, YYYY= Misc. Control Functions

Codes 19-22= Always Y (Qty. 11)

Code 23= Miscellaneous Electrical Options
YYYYY= Field Supplied 115V Power Outlet, Outlet by Factory
YYYFY= Factory Supplied Line Voltage and Outlet
A= ABB SpeedTrol Inverter
B= Daikin Applied SpeedTrol Inverter
Q= Schneider SpeedTrol Inverter

Codes 24- 41= Always Y (Qty. 65)

Code 42= Compressor Capacity Control
4= 4 steps
6= 6 steps

Code 43= Condenser Options
Digit 1 Air Coil
M= 25mm Micro Channel Coil
P= 25mm Electrofin Coated Micro Channel Coil
T= 32mm Micro Channel Coil
U= 22mm Electrofin Coated Micro Channel Coil
Y= None
Digit 2 Condenser Options
G= Coil Guards, Steel
S= Seal Tite Conduits
B= G + S
Y= None

Code 44= Compressor Type
R= Scroll R410a

Code 45= Compressor Isolation
1= Resilient Rubber-in-Shear (RIS)

Code 46= Hot Gas Bypass
1= HGBP Circuit Circuit #1
2= HGBP Circuits #1 & 2
Y= None

Code 47= Low Ambient Operation
1= Fantrol 2= Speedtrol
3= Quiet Fan Fantrol 4= Quiet Fan w/ Speedtrol

Code 48= IBC Seismic/Power Correction Capacitors
Y= None

Codes 49- 54= Always Y (Qty. 13)

Code 55 Ultra High Efficiency Units
HE= Ultra High Efficiency Unit (Code 02= 072D only)
YY= None

Code 56= Chicago Refrigeration Service Valves
CC= Chicago Code
CV= Chicago Code w/ Valves
YY= Service Valves

Codes 57- 60= Always Y (Qty. 14)

Codes 61- 64= Misc. Options, Packaging and Warranties

Code 65= Unit Family Designation
047C= 045- 075D

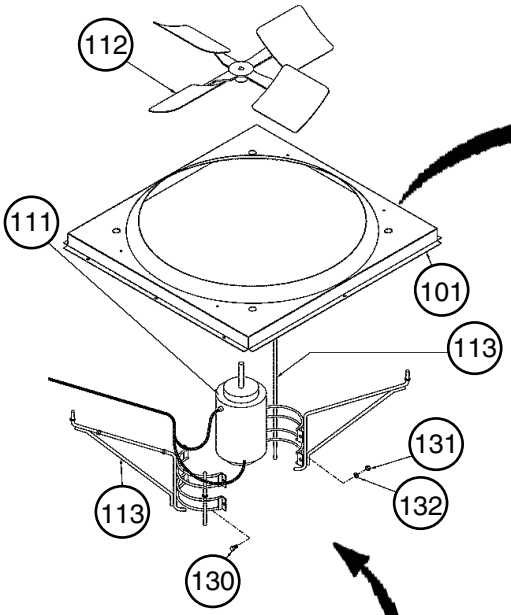
Code 66= Always Y

Code 67= ASHRAE Certification
Y= None
B= AHRI Certified-90.1 2010
C= AHRI Certified-90.1 2013

Electrical Legend

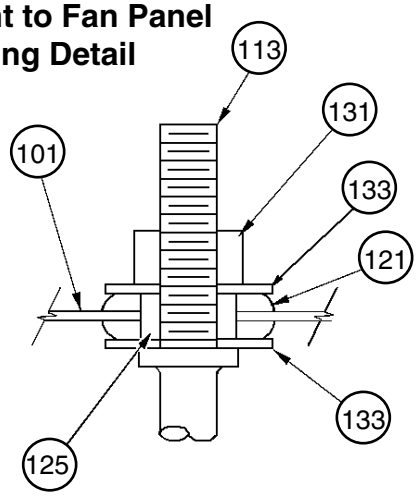
Schematic Sym.	Description	Location
AFD/VFD11, 21	Inverters, Speedtrol	Control Box
COMPR.1- 6	Compressors	Condenser Section
CS1, 2	Control Switches	Control Box
DS4	Disconnect	Control Box
DS6	Disconnect	120V Service Panel
FU1A, 1B	Fuses, Control Circuit, T1 Primary	Control Box
FU1C	Fuse, Control Circuit, T1 Secondary	Control Box
F11	Fuse, Speedtrol Inverter	Control Box
F21	Fuse, Speedtrol Inverter	Control Box
GFS4	Ground Fault Sensor	Control Box
GFR4	Ground Fault Relay	Control Box
GRD	Ground	Control Box
HP1, 2	High Pressure Controls, Refrigerant	Control Box Manifold
HTR1- 6	Crankcase Heaters	On Compressors
LP1, 2	Low Pressure Controls, Refrigerant	Control Box Manifold
LR11, 21	Line Reactors	Control Box
M1- 6	Contactors, Compressors	Control Box
M11- 15	Contactors, Condenser Fans, Circuit #1	Control Box
M21- 25	Contactors, Condenser Fans, Circuit #2	Control Box
MMP1- 6	Manual Motor Protectors, Compressors	Control Box
MMP11- 14	Manual Motor Protectors, Condenser Fans Ckt. 1	Control Box
MMP21- 24	Manual Motor Protectors, Condenser Fans Ckt. 2	Control Box
MP1- 6	Motor Protectors, Compressors	On Compressors
PB4	Powerblock, Condenser	Control Box
PB41	Powerblock, Power Distribution	Control Box
PC13, 23	Switches- Fan Pressure	Control Box Manifold
PS1, 2	Pumpdown Switches, Refrigerant Circuits	Control Box
PVM4	Phase Voltage Monitor	Control Box
R1, 2	Relays, High Pressure Reset	Control Box
R5- 8, 13, 14	Relays, Compressor, Safety/Cool Fail	Control Box
R11, 17	Relays, Speedtrol	Control Box
R31- 38	Relays- Compressor Contactor Staging	Control Box
REC2	Receptacle	Control Box
S2	Switch, System On/Off	Control Box
SPTRL	Switch- Speedtrol	Control Box Manifold
T1	Transformer, Main	Control Box
T9	Transformer- 24V	Control Box
T6	Transformer- 120V	120V Service Panel
TB1- 8	Terminal Blocks	Control Box
TC12, 14	Temperature Controls, Fantrol	Control Box
TD1, 2	Time Delays, Compressor Lockout	Control Box

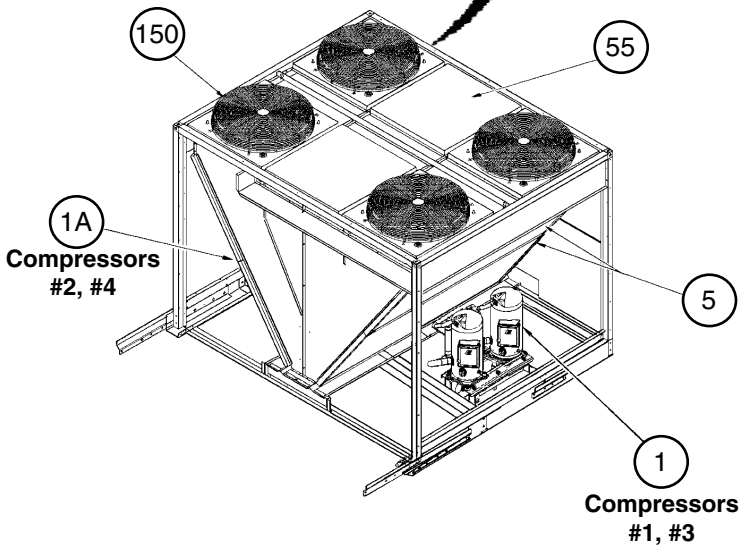
Condenser Fan Deck Assembly
045- 068D Diagrams



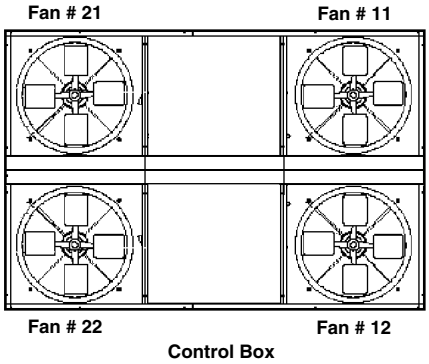
Fan Detail

Motor Mount to Fan Panel Mounting Detail

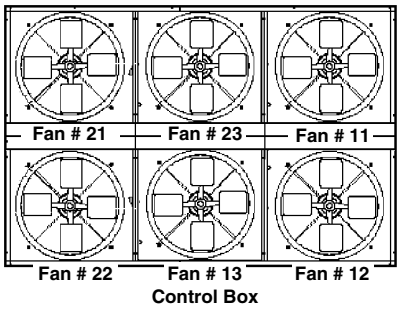




(045- 060D shown)



045- 060D Fan Deck Detail



062D, 068D Fan Deck Detail

Condenser Fan Deck Assembly
045- 068D Components

Ref No.	Part Description		Part Number	Unit Size					
				045- 060			062, 068		
				208/230V	460V	575V	208/230V	460/V	575V
1, 1A	Compressors #1, 3, 5	see 3 pages after next							
	Condenser Coils	**Code 43= M***							
5	33.5" x 71"	6/13 & Earlier	258997801	4	4	4	4	4	4
	33.5" x 71"	7/13 thru 5/14	[1]	4	4	4	4	4	4
	33.5" x 71"	6/14 & Later	910137801	4	4	4	4	4	4
	Condenser Coils	**Code 43= T***							
5	33.5" x 71"		910152744	4	4	4	4	4	4
	Condenser Coils, Coated	**Code 43= P***							
5	33.5" x 71"	6/13 & Earlier	258997802	4	4	4	4	4	4
	33.5" x 71"	7/13 thru 5/14	[1]	4	4	4	4	4	4
	33.5" x 71"	1/14 & Later	910137802	4	4	4	4	4	4
	Condenser Coils, Coated	**Code 43= U***							
5	33.5" x 71"		910152745	4	4	4	4	4	4
55	Panel- Blank		5004020010	2	2	2			
101	Top Panel		2589295010	4	4	4	6	6	6
111	Motor- Condenser, Fantrol	Code 47= 1	111052903	4	4		6	6	
	Motor- Condenser, Speedtrol	Code 47= 2	500552601 [2]	[3]	[3]		[3]	[3]	
	Motor- Condenser	Code 47= 1, 2	046744203			4			6
112	Fan Propeller		258981901	4	4	4	6	6	6
113	Motor Mount		098667802	8	8	8	12	12	12
121	Grommet		000898500	16	16	16	24	24	24
125	Spacer- Steel		030434500	16	16	16	24	24	24
130	Screw- Cap		048878129	16	16	16	24	24	24
131	Nut- Lock		040500104	32	32	32	48	48	48
132	Washer, Narrow- Plain		040500307	16	16	16	24	24	24
133	Washer, Wide- Plain		041542301	32	32	32	48	48	48
150	Fan Guard		098668302	4	4	4	6	6	6
N/S	Vandal Guard Kit		403909514	1	1	1	1	1	1

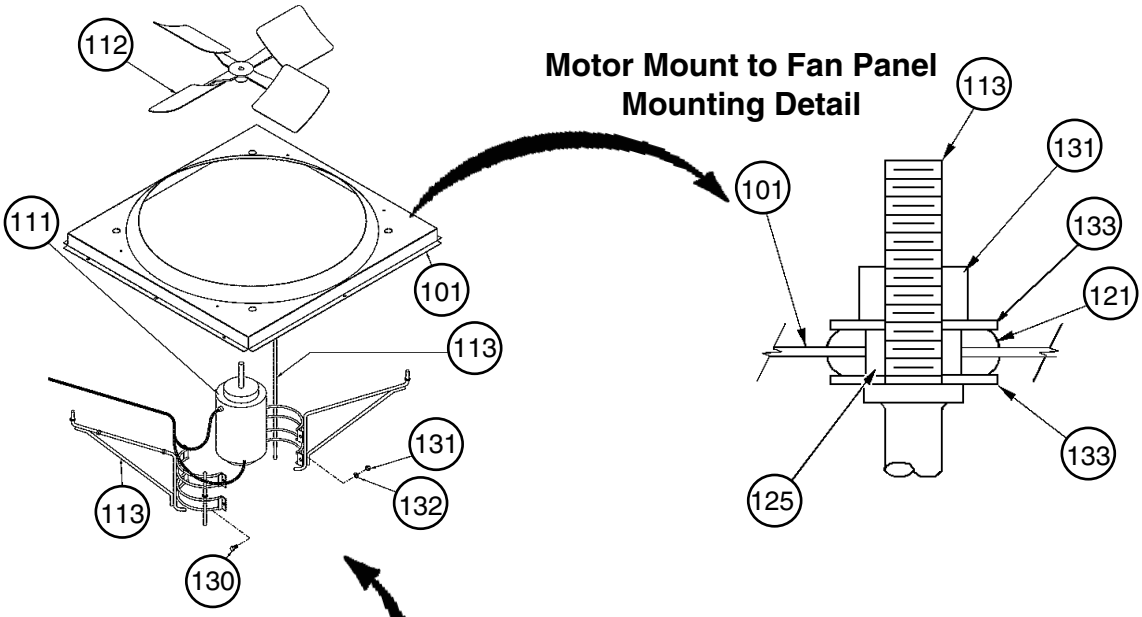
N/S= Not shown on Diagram.

[1] Due to production overlap, contact Daikin Applied with model and serial number information to ensure that the correct coil is identified.

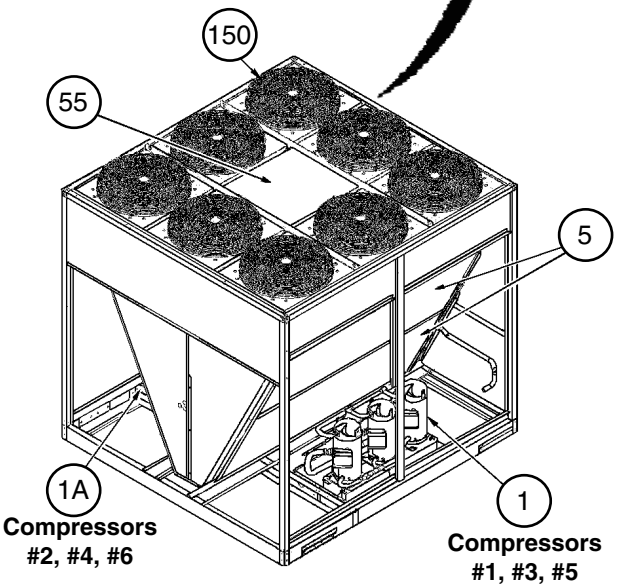
[2] Note that 500552601 is required for Speedtrol applications, however it can also be used as a substitute for Fantrol motor 111052903.

[3] Quantity varies depending upon unit size and options selected. Confirm number of motors required before ordering.

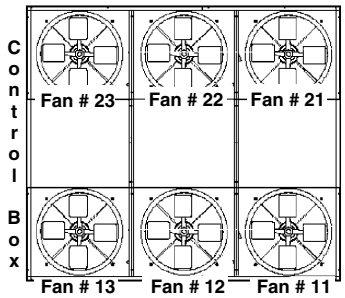
Condenser Fan Deck Assembly
070- 075D Diagrams



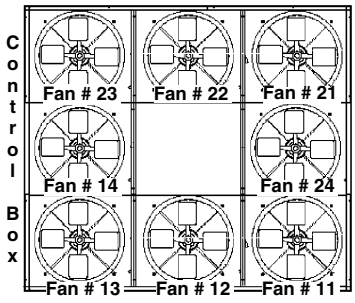
Fan Detail



(075D shown)



070D Fan Deck Detail



072D, 075D Fan Deck Detail

Condenser Fan Deck Assembly
070- 075D Components

Ref No.	Part Description		Part Number	Unit Size					
				070			072, 075		
				208/230V	460V	575V	208/230V	460/V	575V
1, 1A	Compressors	see 4 pages after next							
	Condenser Coils	**Code 43= M***							
5	32" x 84"	6/13 & Earlier	258957001	4	4	4	4	4	4
	32" x 84"	7/13 thru 5/14	[1]	4	4	4	4	4	4
	32" x 84"	6/14 & Later	910137909	4	4	4	4	4	4
	Condenser Coils, Coated	**Code 43= P***							
	32" x 84"	7/13 & Earlier	258957002	4	4	4	4	4	4
	32" x 84"	8/13 thru 1/14	[1]	4	4	4	4	4	4
	32" x 84"	2/14 & Later	910137910	4	4	4	4	4	4
55	Panel- Blank		5004020010	3	3	3	1	1	1
101	Top Panel		2589295010	6	6	6	8	8	8
111	Motor- Condenser, Fantrol	Code 47= 1	111052903	6	6		8	8	
	Motor- Condenser, Speedtrol	Code 47= 2	500552601 [2]	[3]	[3]		[3]	[3]	
	Motor- Condenser	Code 47= 1, 2	046744203			6			8
112	Fan Propeller		258981901	6	6	6	8	8	8
113	Motor Mount		098667802	12	12	12	16	16	16
121	Grommet		000898500	24	24	24	32	32	32
125	Spacer- Steel		030434500	24	24	24	32	32	32
130	Screw- Cap		048878129	24	24	24	32	32	32
131	Nut- Lock		040500104	48	48	48	64	64	64
132	Washer, Narrow- Plain		040500307	24	24	24	32	32	32
133	Washer, Wide- Plain		041542301	48	48	48	64	64	64
150	Fan Guard		098668302	6	6	6	8	8	8
N/S	Vandal Guard Kit		403909515	1	1	1	1	1	1

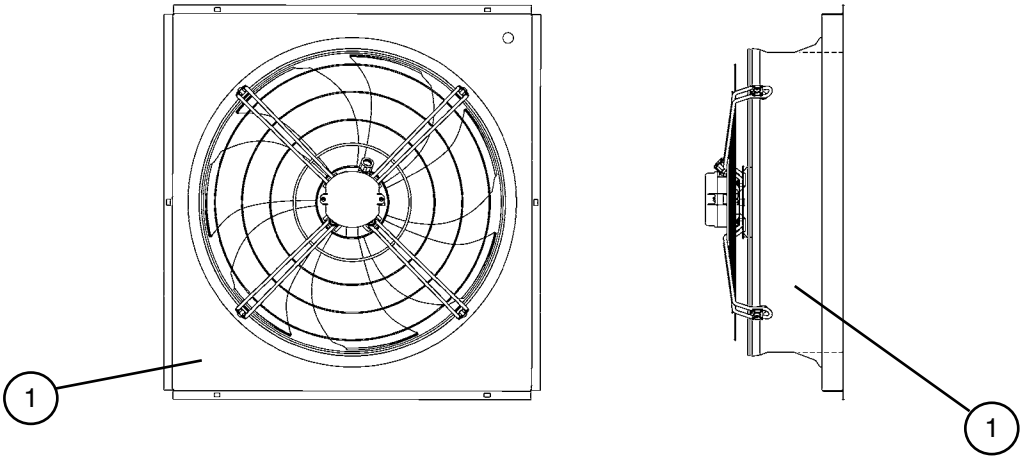
N/S= Not shown on Diagram.

[1] Due to production overlap, contact Daikin Applied with model and serial number information to ensure that the correct coil is identified.

[2] Note that 500552601 is required for Speedtrol applications, however it can also be used as a substitute for Fantrol motor 111052903.

[3] Quantity varies depending upon unit size and options selected. Confirm number of motors required before ordering.

Condenser Fan Deck Assembly
Quiet Fan Assemblies
Code 47= 3, 4

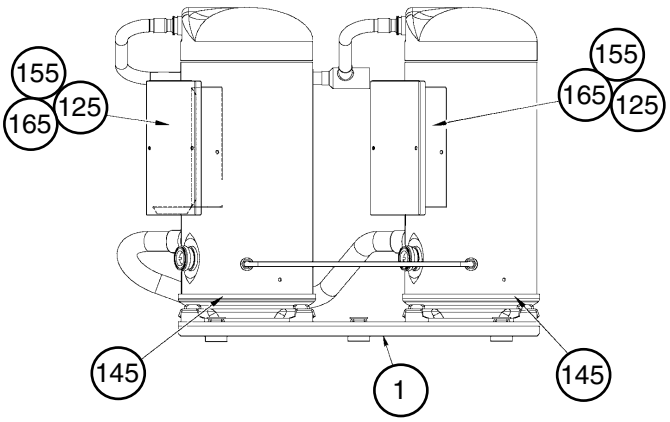


Ref No.	Part Description	Part Number	Unit Size							
			045	050	060	062	068	070	072	075
1	Quiet Fan Assy.[1]									
	208V	500526602	4	4	4	6	6	6	8	8
	230V	500526603	4	4	4	6	6	6	8	8
	460V	500526604	4	4	4	6	6	6	8	8
	575V	500526605	4	4	4	6	6	6	8	8

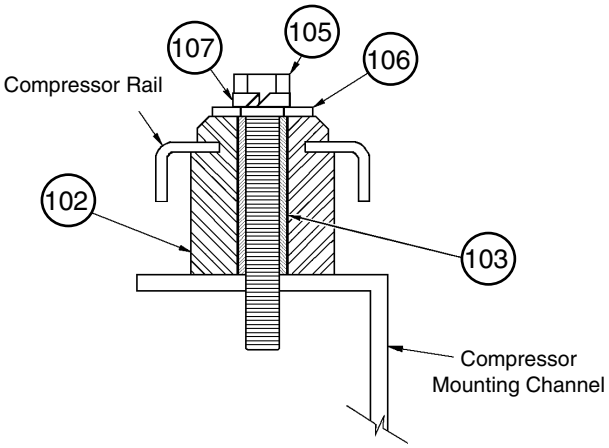
[1] This assembly includes the Motor, Fan Prop, Fan Guard, Motor Mount, and Fan Top Panel. Sold as an assembly ONLY. Individual components are NOT available separately.

Condenser Fan Deck Assembly
Compressors & Compressor Components
Unit Size 045D, 050D

Side View



Compressor Rail to Base Channel Mounting Detail
(6 places)



Ref No.	Part Description		Part Number	Unit Size 045 208/230V	045 460V	045 575V	050 208/230V	050 460V	050 575V
1	Compressors- Circuits #1 or 2	10HP	300046083 [1]	4					
	Compressors- Circuits #1 or 2	10HP	300046085 [1]		4				
	Compressors- Circuits #1 or 2	10HP	300046087 [1]			4			
	Compressors- Circuits #1 or 2	11HP	300046089 [1]				4		
	Compressors- Circuits #1 or 2	11HP	300046091 [1]					4	
	Compressors- Circuits #1 or 2	11HP	300046093 [1]						4
102	Grommet		251774401	12	12	12	12	12	12
103	Sleeve		111056201	12	12	12	12	12	12
105	Screw		046093822	12	12	12	12	12	12
106	Washer- Plain		040500316	12	12	12	12	12	12
107	Washer- Lock		048164812	12	12	12	12	12	12
125	Junction Box- Compressor		500429201	4	4	4	4	4	4
145	Heater- Crankcase		112056401	4	4	4	4	4	4
155	Screw- Junction Box		046093802	16	16	16	16	16	16
165	Gasket- Junction Box		019647500	[2]	[2]	[2]	[2]	[2]	[2]

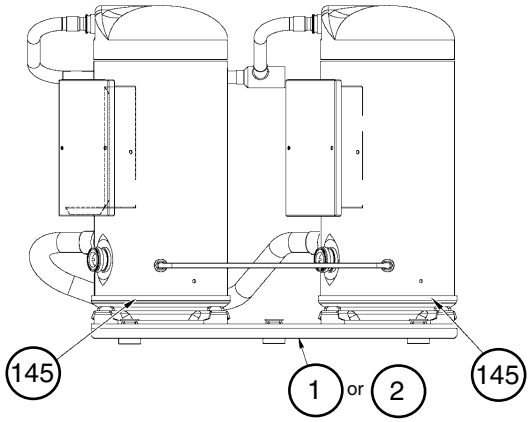
NOTE: Quantities listed are for the unit.

[1] Compressors are factory mounted in TANDEM assemblies, but REPLACEMENT COMPRESSORS ARE AVAILABLE AS SINGLE COMPRESSORS ONLY as shown above. A Tandem compressor is two compressors piped together in one assembly. There are two tandems per unit (one on each circuit). When replacing a single compressor out of a Tandem assembly, the original piping is reused.

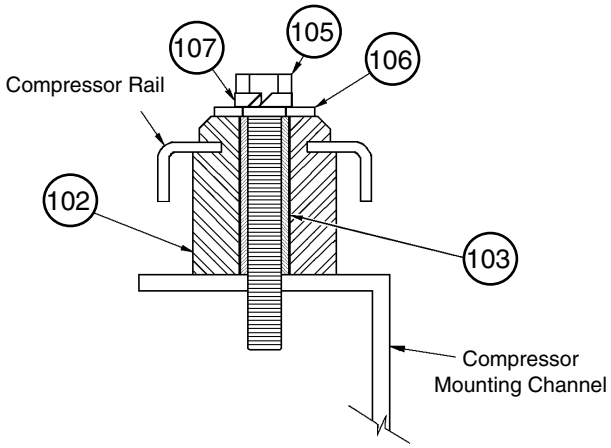
[2] 4 feet per junction box.

Condenser Fan Deck Assembly
Compressors & Compressor Components
Unit Size 060D, 062D

Side View



Compressor Rail to Base Channel Mounting Detail
(6 places)



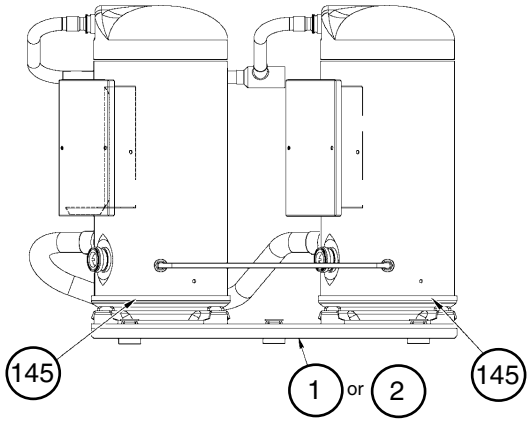
Ref No.	Part Description		Part Number	Size 060,062 208/230V	460V	575V
1, 2	Compressors- Circuits #1 or 2	4/14 & Earlier	113091901 [1]	4		
	Compressors- Circuits #1 or 2	5/14 & Later	404152401 [1]	4		
	Compressors- Circuits #1 or 2	4/14 & Earlier	113091902 [1]		4	
	Compressors- Circuits #1 or 2	5/14 & Later	404152402 [1]		4	
	Compressors- Circuits #1 or 2	4/14 & Earlier	113091904 [1]			4
	Compressors- Circuits #1 or 2	5/14 & Later	404152404 [1]			4
102	Grommet		251774401	12	12	12
103	Sleeve		111056201	12	12	12
105	Screw		046093822	12	12	12
106	Washer- Plain		040500316	12	12	12
107	Washer- Lock		048164812	12	12	12
145	Heater- Crankcase		113108903	4	4	4

NOTE: Quantities listed are for the unit.

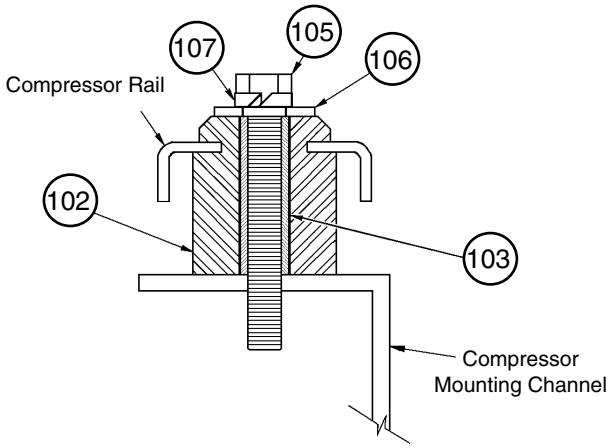
[1] Compressors are factory mounted in TANDEM assemblies, but REPLACEMENT COMPRESSORS ARE AVAILABLE AS SINGLE COMPRESSORS ONLY as shown above. A Tandem compressor is two compressors piped together in one assembly. There are two tandems per unit (one on each circuit). When replacing a single compressor out of a Tandem assembly, the original piping is reused.

Condenser Fan Deck Assembly
Compressors & Compressor Components
Unit Size 068D

Side View



Compressor Rail to Base Channel Mounting Detail
(6 places)



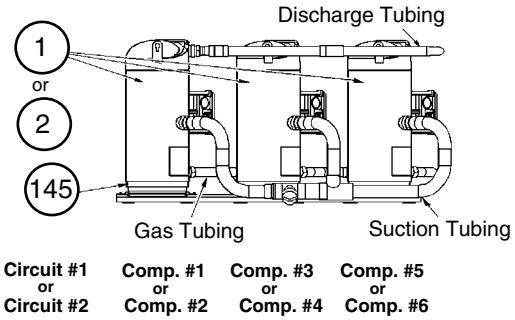
Ref No.	Part Description		Part Number	Size 068 208/230V	460V	575V
1, 2	Compressors- Circuits #1 or 2	4/14 & Earlier	113092501 [1]	4		
	Compressors- Circuits #1 or 2	5/14 & Later	404152501 [1]	4		
	Compressors- Circuits #1 or 2	4/14 & Earlier	113092502 [1]		4	
	Compressors- Circuits #1 or 2	5/14 & Later	404152502 [1]		4	
	Compressors- Circuits #1 or 2	4/14 & Earlier	113092504 [1]			4
	Compressors- Circuits #1 or 2	5/14 & Later	404152504 [1]			4
102	Grommet		251774401	12	12	12
103	Sleeve		111056201	12	12	12
105	Screw		046093822	12	12	12
106	Washer- Plain		040500316	12	12	12
107	Washer- Lock		048164812	12	12	12
145	Heater- Crankcase		113108903	4	4	4

NOTE: Quantities listed are for the unit.

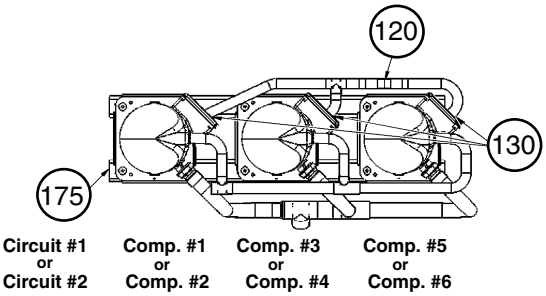
[1] Compressors are factory mounted in TANDEM assemblies, but REPLACEMENT COMPRESSORS ARE AVAILABLE AS SINGLE COMPRESSORS ONLY as shown above. A Tandem compressor is two compressors piped together in one assembly. There are two tandems per unit (one on each circuit). When replacing a single compressor out of a Tandem assembly, the original piping is reused.

Condenser Fan Deck Assembly
Compressors & Compressor Components
Unit Sizes 070- 075D

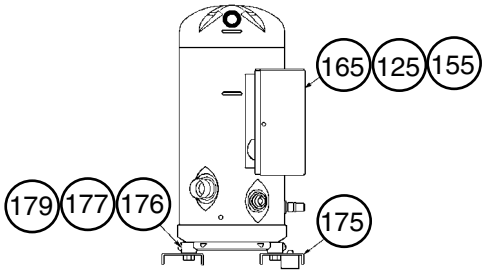
Side View



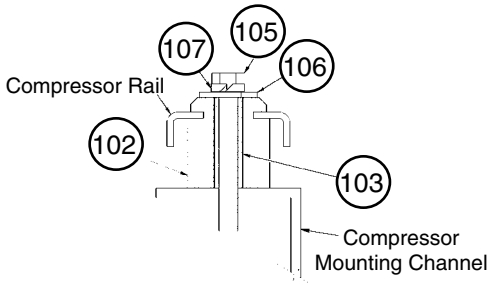
Top View



Compressor to Compressor Rail Mounting Detail



Compressor Rail to Base Channel Mounting Detail (8 places)

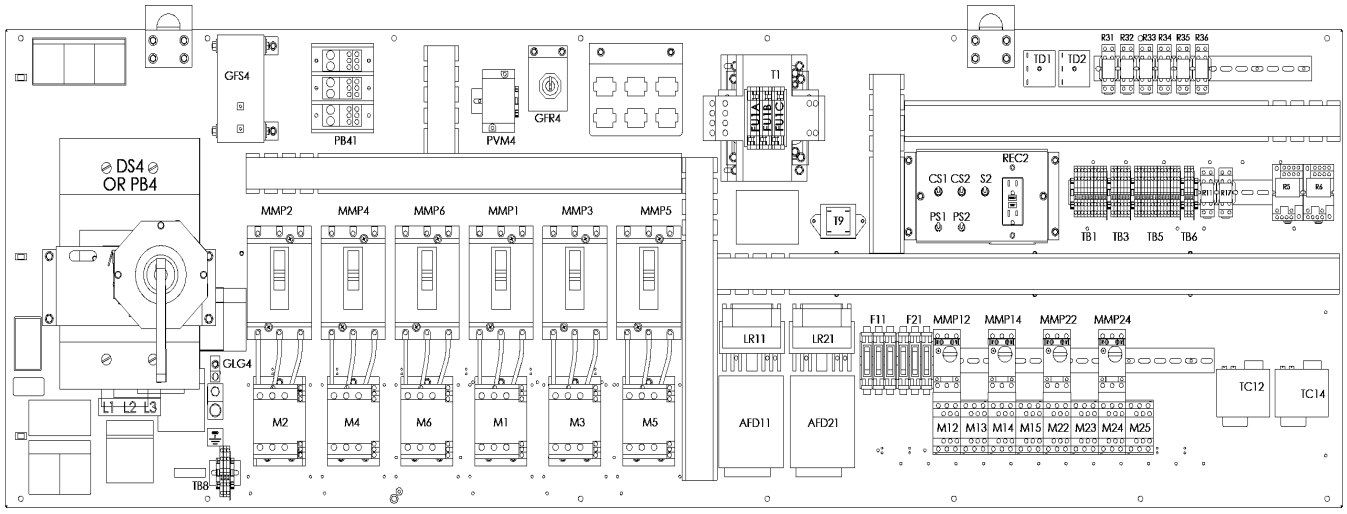


Ref No.	Part Description		Part Number	Unit Size 070, 072 208/230V	460V	575V	075 208/230V	460V	575V
1, 2	Compressors- Circuits #1 or 2	10HP	300046083	6					
	Compressors- Circuits #1 or 2	10HP	300046085		6				
	Compressors- Circuits #1 or 2	10HP	300046087			6			
	Compressors- Circuits #1 or 2	11HP	300046089				6		
	Compressors- Circuits #1 or 2	11HP	300046091					6	
	Compressors- Circuits #1 or 2	11HP	300046093						6
102	Grommet		251774401	16	16	16	16	16	16
103	Sleeve		111056201	16	16	16	16	16	16
105	Screw		046093822	16	16	16	16	16	16
106	Washer- Plain		040500316	16	16	16	16	16	16
107	Washer- Lock		048164812	16	16	16	16	16	16
120	Sight Glass- Gas Line		015997806	2	2	2	2	2	2
125	Junction Box- Compressor		500429201	6	6	6	6	6	6
130	Fitting- Rotolock		113129601	6	6	6	6	6	6
145	Heater- Crankcase		112056401	6	6	6	6	6	6
155	Screw- Junction Box		046093802	24	24	24	24	24	24
165	Gasket- Junction Box		019647500	[1]	[1]	[1]	[1]	[1]	[1]
175	Rail- Trio Compressor Mounting		258931401	4	4	4	4	4	4
176	Spacer		258932401	24	24	24	24	24	24
177	Screw		046093824	24	24	24	24	24	24
179	Washer		040500316	24	24	24	24	24	24

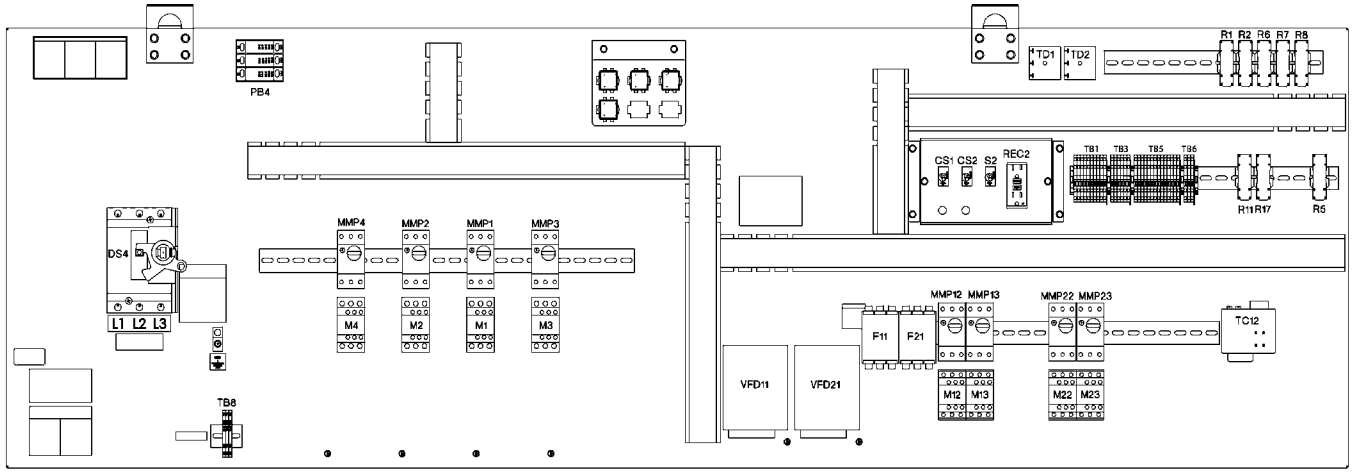
[1] 6 feet per junction box.

Control Box
Diagrams [1]

RCS Stand Alone unit 3/13 & Earlier



RCS Stand Alone unit 04/13 & Later



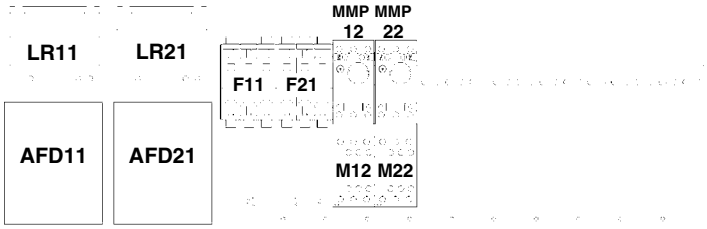
[1] For information on RCS units WITH controls (Code 12= *E, *F), with no Temperature controls and floating point control (Code 12= YM), OR with No Controls and 6- 9V modulating Gas Heat Actuator (Code 12= YC) refer to form # 7000137.

The above diagrams show typical RCS Standalone Unit Control Box layouts and are to be used for reference only. Specific unit configuration may differ depending upon unit size and options selected.

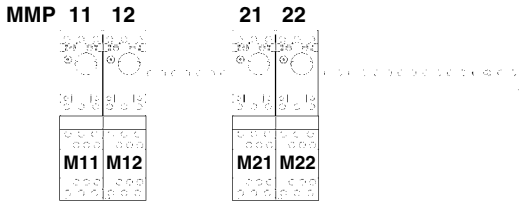
Control Box
Diagrams- Continued

Condenser Fan Controls

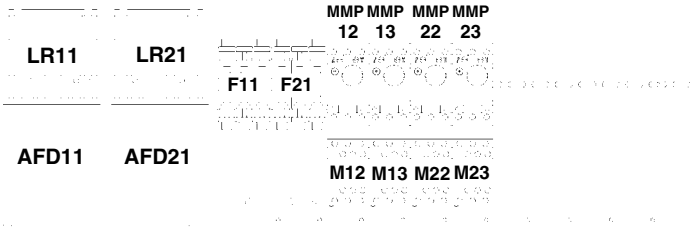
Unit Size 045- 060: Speedtrol (Code 47= 2)



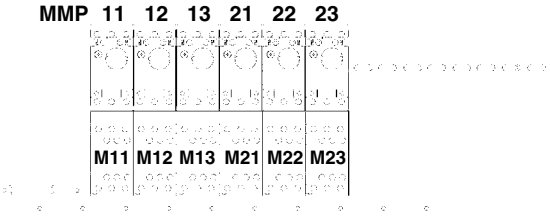
Unit Size 045- 060: Fantrol (Code 47= 1)



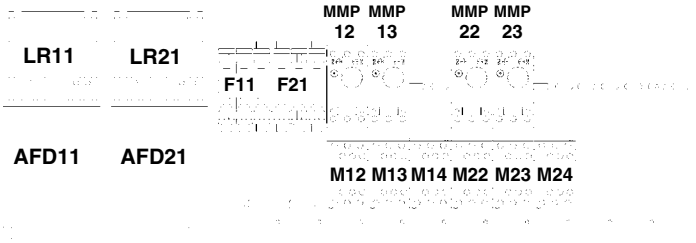
Unit Size 062- 070: Speedtrol (Code 47= 2)



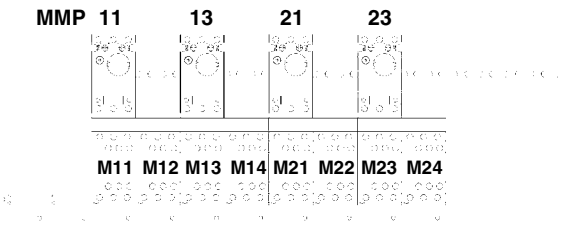
Unit Size 062- 070: Fantrol (Code 47= 1)



Unit Size 072, 075- Speedtrol (Code 47= 2)

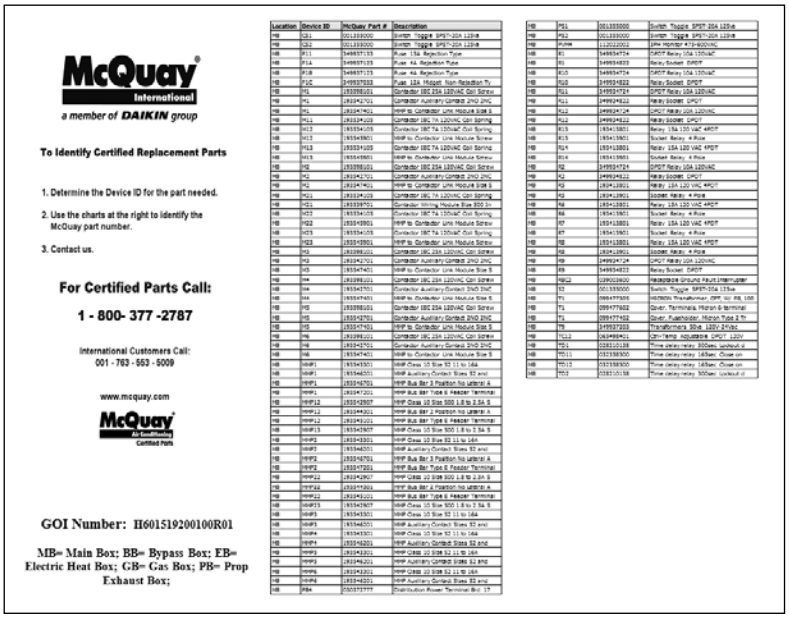


Unit Size 072, 075- Fantrol (Code 47= 1)



Control Box

Control Box Component Label Diagram [1]



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MB= Main Box; BB= Bypass Box; EB= Electric Heat Box; GB= Gas Box; PB= Prop Exhaust Box;

Location	Device ID	McQuay Part #	Description
MB	SB1	001193000	Switch Toggle SPST-20A 125vac
MB	CB2	001193000	Switch Toggle SPST-20A 125vac
MB	F11	549857135	Fuse 15a Rejection Type
MB	F14	549857135	Fuse 4A Rejection Type
MB	F18	549857175	Fuse 4A Rejection Type
MB	F1/C	549937833	Fuse 12A Midget Non-Rejection Ty
MB	1CL	193398101	Contactor IEC 25A 120VAC Coil Screw
MB	1L	193247101	Contactor Auxiliary Contact 2NO 2NC
MB	1M1	193247401	MWP to Contactor Line Module Size 5
MB	1M11	193247403	Contactor IEC 7A 120VAC Coil Spring
MB	1M13	193554105	Contactor IEC 7A 120VAC Coil Spring
MB	1M13	193543901	MWP to Contactor Line Module Screw
MB	1M13	193554105	Contactor IEC 7A 120VAC Coil Spring
MB	1M15	193543901	MWP to Contactor Line Module Screw
MB	1M2	193398101	Contactor IEC 25A 120VAC Coil Screw
MB	1M2	193247101	Contactor Auxiliary Contact 2NO 2NC
MB	1M2	193247401	MWP to Contactor Line Module Size 5
MB	1M21	193334103	Contactor IEC 7A 120VAC Coil Spring
MB	1M21	193338701	Contactor Wiring Module Size 800 3A
MB	1M23	193554105	Contactor IEC 7A 120VAC Coil Spring
MB	1M23	193543901	MWP to Contactor Line Module Screw
MB	1M23	193554105	Contactor IEC 7A 120VAC Coil Spring
MB	1M23	193543901	MWP to Contactor Line Module Screw
MB	1M3	193398101	Contactor IEC 25A 120VAC Coil Screw
MB	1M3	193247101	Contactor Auxiliary Contact 2NO 2NC
MB	1M3	193547401	MWP to Contactor Line Module Size 5
MB	1M4	193398101	Contactor IEC 25A 120VAC Coil Screw
MB	1M4	193547501	Contactor Auxiliary Contact 2NO 2NC
MB	1M4	193547401	MWP to Contactor Line Module Size 5
MB	1M5	193398101	Contactor IEC 25A 120VAC Coil Screw
MB	1M5	193542701	Contactor Auxiliary Contact 2NO 2NC
MB	1M5	193547401	MWP to Contactor Line Module Size 5
MB	1M6	193398101	Contactor IEC 25A 120VAC Coil Screw
MB	1M6	193542701	Contactor Auxiliary Contact 2NO 2NC
MB	1M6	193547401	MWP to Contactor Line Module Size 5
MB	1MP1	193543501	MWP Class 10 Size 00 11 to 16A
MB	1MP1	193546501	MWP Auxiliary Contact Sizes 00 and
MB	1MP1	193547601	MWP Bus Bar 3 Position No Lateral A
MB	1MP1	193547201	MWP Bus Bar Type E Feeder Terminal
MB	1MP12	193542907	MWP Class 10 Size 000 1.6 to 2.5A S
MB	1MP12	193544201	MWP Bus Bar 3 Position No Lateral A
MB	1MP12	193543101	MWP Bus Bar Type E Feeder Terminal
MB	1MP13	193542907	MWP Class 10 Size 000 1.6 to 2.5A S
MB	1MP2	193543501	MWP Class 10 Size 00 11 to 16A
MB	1MP2	193546501	MWP Auxiliary Contact Sizes 00 and
MB	1MP2	193547601	MWP Bus Bar 3 Position No Lateral A
MB	1MP2	193547201	MWP Bus Bar Type E Feeder Terminal
MB	1MP22	193542907	MWP Class 10 Size 000 1.6 to 2.5A S
MB	1MP23	193547601	MWP Bus Bar 3 Position No Lateral A
MB	1MP23	193544201	MWP Bus Bar Type E Feeder Terminal
MB	1MP23	193543907	MWP Class 10 Size 000 1.6 to 2.5A S
MB	1MP3	193543501	MWP Class 10 Size 00 11 to 16A
MB	1MP3	193546501	MWP Auxiliary Contact Sizes 00 and
MB	1MP4	193543501	MWP Class 10 Size 00 11 to 16A
MB	1MP4	193546501	MWP Auxiliary Contact Sizes 00 and
MB	1MP5	193543501	MWP Class 10 Size 00 11 to 16A
MB	1MP5	193546501	MWP Auxiliary Contact Sizes 00 and
MB	1MP6	193543501	MWP Class 10 Size 00 11 to 16A
MB	1MP6	193546501	MWP Auxiliary Contact Sizes 00 and
MB	PB4	050577777	Distribution Power Terminal Blo 17

MB	PS1	001193000	Switch Toggle SPST-20A 125vac
MB	PS2	001193000	Switch Toggle SPST-20A 125vac
MB	PUMP	112022002	3PH Monitor 415-460VAC
MB	R1	549857474	DPDT Relay 10A 120VAC
MB	R1	549857433	Relay Socket DPDT
MB	R15	549857474	DPDT Relay 10A 120VAC
MB	R18	549934822	Relay Socket DPDT
MB	R11	549934724	DPDT Relay 10A 120VAC
MB	R11	549934822	Relay Socket DPDT
MB	R12	549934724	DPDT Relay 10A 120VAC
MB	R12	549934822	Relay Socket DPDT
MB	R13	193413801	Relay 15A 120 VAC 4PDT
MB	R13	193413901	Socket Relay 4 Pole
MB	R14	193413801	Relay 15A 120 VAC 4PDT
MB	R14	193413901	Socket Relay 4 Pole
MB	R2	549934724	DPDT Relay 10A 120VAC
MB	R2	549934822	Relay Socket DPDT
MB	R3	193413801	Relay 15A 120 VAC 4PDT
MB	R3	193413901	Socket Relay 4 Pole
MB	R4	193413801	Relay 15A 120 VAC 4PDT
MB	R4	193413901	Socket Relay 4 Pole
MB	R7	193413801	Relay 15A 120 VAC 4PDT
MB	R7	193413901	Socket Relay 4 Pole
MB	R8	193413801	Relay 15A 120 VAC 4PDT
MB	R8	193413901	Socket Relay 4 Pole
MB	R9	549934724	DPDT Relay 10A 120VAC
MB	R9	549934822	Relay Socket DPDT
MB	RBC2	029003900	Receptacle Ground Fault Interrupter
MB	S3	001193000	Switch Toggle SPST-20A 125vac
MB	T1	099477500	Ignition Transformer 25VA 120 PRI 10K
MB	T1	099477602	Cover, Terminals, Hiprom 6 terminal
MB	T1	099477402	Cover, Fuseholder, Hiprom Type 2 Th
MB	T9	049507203	Transformers 30VA 120V 24VAC
MB	TC12	064998401	Ctrl-Temp Aquastate SPDT 120V
MB	TD1	032115138	Time delay relay 300sec lockout d
MB	TD11	032158300	Time delay relay 180sec Close on
MB	TD13	032158300	Time delay relay 180sec Close on
MB	TD3	032115138	Time delay relay 300sec lockout d

[1] Note that starting in late 2010 all units will have a label similar to the one shown above pasted to the inside of the Control Box door. This label contains schematic designators, part descriptions, and Daikin Applied part numbers. The label shown above is for representative purposes only. Actual part numbers will vary depending upon unit size and options selected.

Control Box
Components: (3/13 & Earlier)

Sch. Sym.	Part Description		Part Number	Qty.
	Switches- Control			
CS1, 2	Switch- Control- 1 Pole	Code 12= 1A	001355000	2
	Switch- Control- 2 Pole	Code 12= 2A	018446400	2
S2	Switch- System		001355000	1
	Receptacle			
REC2	Receptacle		039003600	1
	Relays			
R1, 2	Relay- Hi Pressure Reset		349934724 [2]	2
R5.1	Relay- Safety		349934724 [2]	1
R6.1	Relay- Safety		349934724 [2]	1
R7.1	Relay- Safety		349934724 [2]	1
R8.1	Relay- Safety		349934724 [2]	1
R11	Relay- Inverter AFD 11	Code 47= 2	349934724 [2]	1
R13.1	Relay- Safety		349934724 [2]	1
R14.1	Relay- Safety		349934724 [2]	1
R17	Relay- Inverter AFD 21	Code 47= 2	349934724 [2]	1
R31- R36	Relay- Compressor Contactor Staging	Code 12= 2A	349934724 [2]	1/comp
	Time Delays			
TD1, 2	Time Delay		193464401 [4]	2
	Temp. Controls			
TC12	Temperature Control- Fantrol		065498401	1
TC14	Temperature Control- Fantrol		065498401	1
	Ground Fault Protection			
GFR4	Ground Fault Relay- SPDT	Code 17= YG, YC	349937502	1
GFS4	Ground Fault Sensor	Code 17= YG, YC	349937407	1
	Phase Voltage Monitor			
PVM4	Phase Voltage Monitor			
	208/230/460V Units	Code 17= YP, YC	112022001	1
	575V Units	Code 17= YP, YC	112022002	1
	Plugs			
PL25-30	Plug- 12 Pin		349930405	1/comp
	Terminal Blocks			
TB1,3,5,6,8	Terminal Block		349930641 [1]	var.
	Transformers			
T1	Transformer- Main		[3]	
T9	Transformer- Secondary		349937203	1
	Speedtrol Inverters	**Code 47= 2**		
AFD11, 21	Inverter	208/230V	349956604	2
	Inverter	460V	349956621	2
	Inverter	575V	349956737	2
	Speedtrol Line Reactors	**Code 47= 2**		
LR11, 21	Line Reactor	Code 09= 37	073323552	2

[1] Part number is for one section. Quantity of sections varies with unit options. Ground Terminal is p/n 349930647. Jumpers for TB1 are p/n 349930945 (TB1A:5), 349930943 (TB1B:14), 349930942 (TB1C:20,TB1D:25 & TB1E:30).
[2] Each relay uses a socket p/n 349934822.
[3] See following page.
[4] Original non-adjustable relay has been replaced with an adjustable version.

Control Box
Components: (3/13 & Earlier), Continued

Sch. Sym.	Part Description		Part Number	Qty.
	Disconnect [1]	**Code 11= A1, A2**		
DS4	Switch- Disconnect	100A	349935125	
	Handle- Disconnect		349935521	1
	Shaft Mod		349962208	1
	Lug- Ground		349938001	1
	Switch- Disconnect	150A	349935126	
	Handle- Disconnect		349935532	1
	Shaft Mod		349962209	1
	Lug- Ground		349938001	1
	Switch- Disconnect	250A	349935226	
	Handle- Disconnect		349935532	1
	Shaft Mod		349962209	1
	Lug- Ground		349938001	1
	Switch- Disconnect	400A	349935325	
	Handle- Disconnect		349935621	1
	Shaft Mod		349962210	1
	Lug- Ground		349938002	1
	Switch- Disconnect [2]	600A	193438002	
	Handle- Disconnect [2]		193437901	1
	Shaft Mod [2]		349962241	1
	Lug- Ground		349938002	1
PB41	**Power Block- Distribution (used with DS4)** [1]			
	100A- 400A DS4		030372785	1
	600A DS4		030372786	1
	Power Block- Main [1]	**Code 11= P1**		
PB4	Power Block	175A, 310A, 420A	030372785	1
	Power Block	760A	030372721	1
	Cover- Power Block	760A only	349938345	1

[1] Any of the listed parts may be used, depending on unit options. Check installed part to verify, or contact Daikin Applied with unit serial and/or GO number to ensure correct replacement is selected.

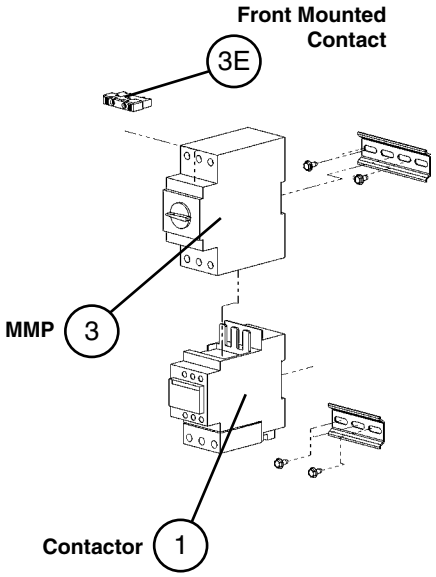
[2] The original Disconnect Switch and related parts are obsolete. Due to dimensional differences minor field modifications may be required for proper installation.

T1 Transformer and Fusing

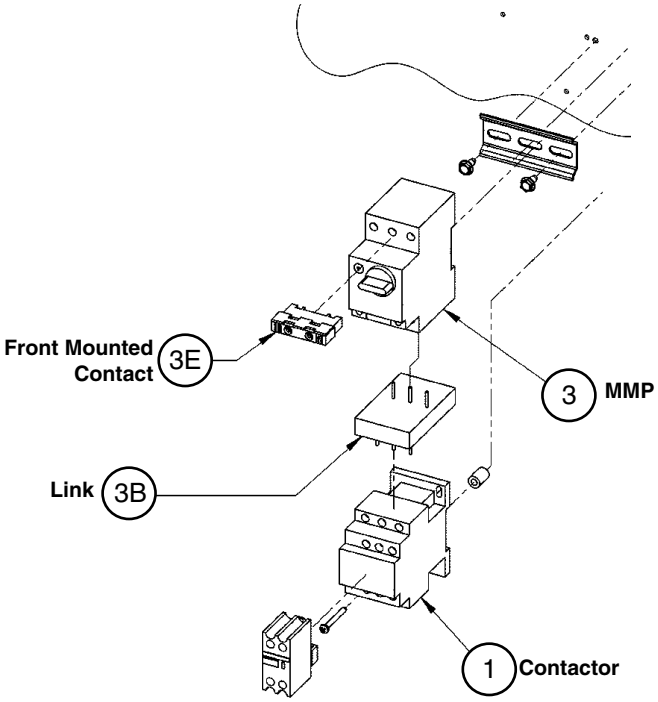
Sch. Sym.	Part Description	Part Number	208V	230V	460V	575V
T1	Transformer- Main	038253974 [3]	1			
	Transformer- Main	038253956 [3]		1	1	
	Transformer- Main	038253983 [3]				1
FU1A, B	Fuse- T1 Transformer, Primary	349937132	2			
	Fuse- T1 Transformer, Primary	349937131		2		
	Fuse- T1 Transformer, Primary	349937124			2	
	Fuse- T1 Transformer, Primary	349937129				2
FU1C	Fuse- T1 Transformer, Secondary	349937033	1	1	1	1
N/S	Cover- Fuse	349955901	1	1	1	1
N/S	Puller- Fuse	349955801	1	1	1	1

N/S= Not shown on diagram.

Control Box
Compressor MMP1- 4 and Contactor M1- 4: (3/13 & Earlier)
Unit Size 045D



MMP1- 4 & M1- 4 Contactor Link Detail
208/230V

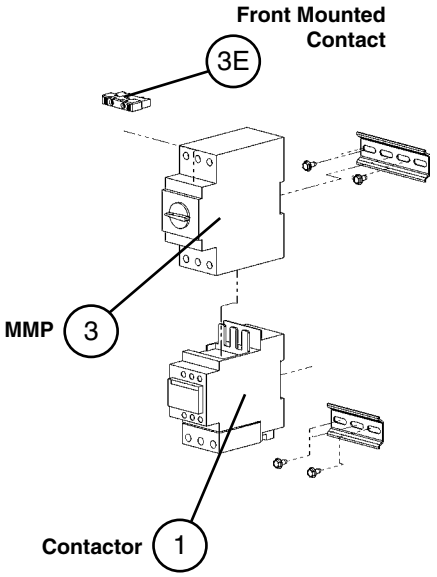


MMP1- 4 & M1- 4 Contactor Link Detail
460/575V

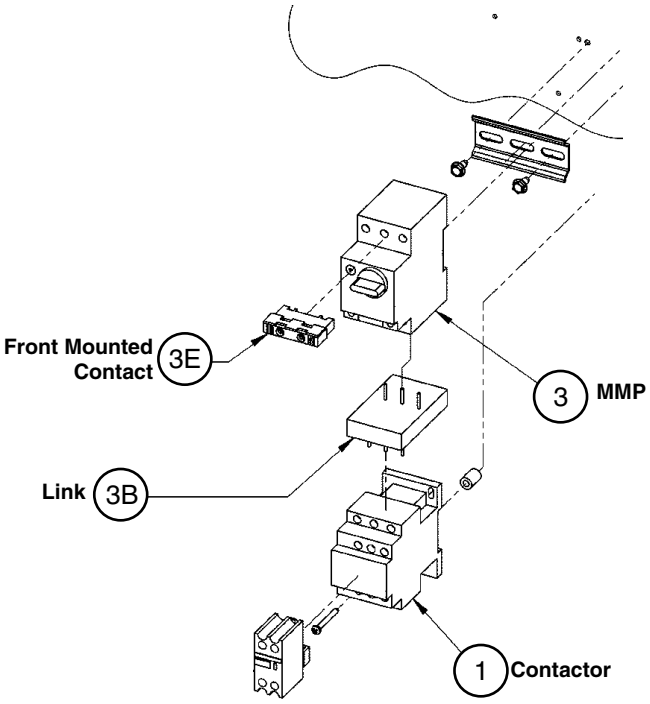
Ref No	Sch Sym	Part Description		Part Number	045		
					208/230V	460V	575V
		Compressor Contactors & Parts					
1	M1- 4	Contactor- Compressor [1]	50A	193426822	4		
	M1- 4	Contactor- Compressor	25A	349932321		4	4
		Compressor MMP's & Parts					
3	MMP1- 4	Manual Motor Protector- Compressor		349934149	4		
		Manual Motor Protector- Compressor		349934053		4	
		Manual Motor Protector- Compressor		349934052			4
3B		Link		349932922		4	4
3E		Front Mounted Contact- 1NO or 1 NC		349933821	4	4	4

[1] In mid 2010 the original cabled Contactor became obsolete and no longer available. The replacement Contactor listed mounts directly to the MMP as shown in the above diagram. When replacing ANY part of an old assembly, a new Contactor and MMP MUST be ordered as new and old parts are not interchangeable.

Control Box
Compressor MMP1- 4 and Contactor M1- 4: (3/13 & Earlier)
Unit Size 050D



MMP1- 4 & M1- 4 Contactor Link Detail
208/230V

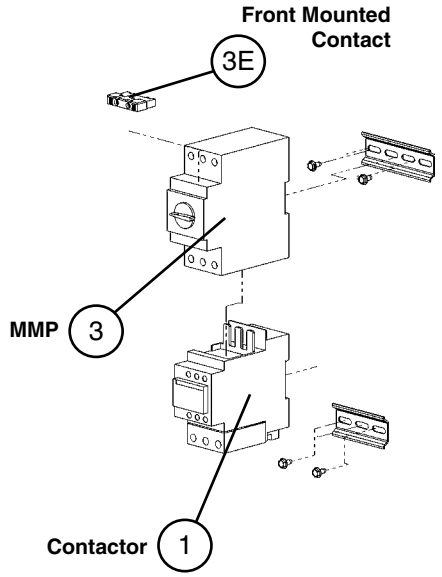


MMP1- 4 & M1- 4 Contactor Link Detail
460/575V

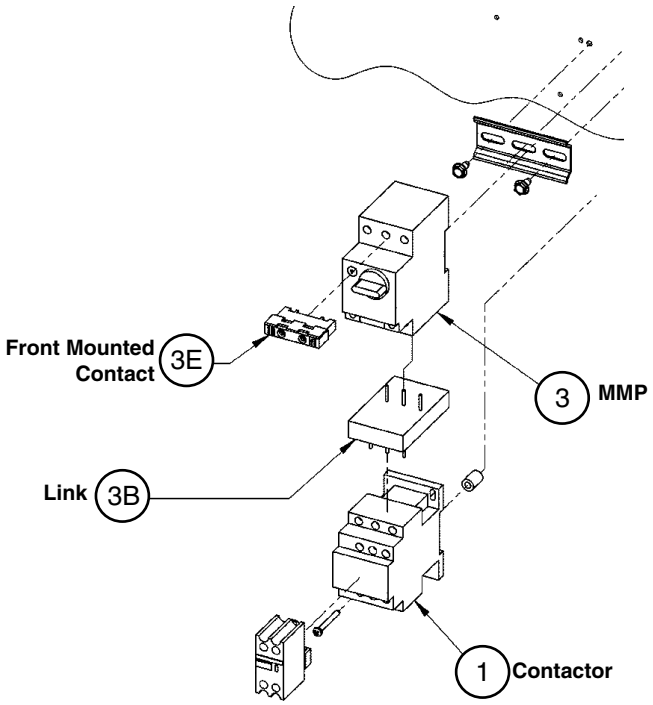
Ref No	Sch Sym	Part Description		Part Number	050		
					208/230V	460V	575V
		Compressor Contactors & Parts					
1	M1- 4	Contactor- Compressor [1]	65A	193426823	4		
	M1- 4	Contactor- Compressor	25A	349932321		4	4
		Compressor MMP's & Parts					
3	MMP1- 4	Manual Motor Protector- Compressor		349934149	4		
		Manual Motor Protector- Compressor		349934053		4	
		Manual Motor Protector- Compressor		349934052			4
3B		Link		349932922		4	4
3E		Front Mounted Contact- 1NO or 1 NC		349933821	4	4	4

[1] In mid 2010 the original cabled Contactor became obsolete and no longer available. The replacement Contactor listed mounts directly to the MMP as shown in the above diagram. When replacing ANY part of an old assembly, a new Contactor and MMP MUST be ordered as new and old parts are not interchangeable.

Control Box
Compressor MMP1- 4 and Contactor M1- 4: (3/13 & Earlier)
Unit Size 060D, 062D



MMP1- 4 & M1- 4 Contactor Link Detail
208/230V

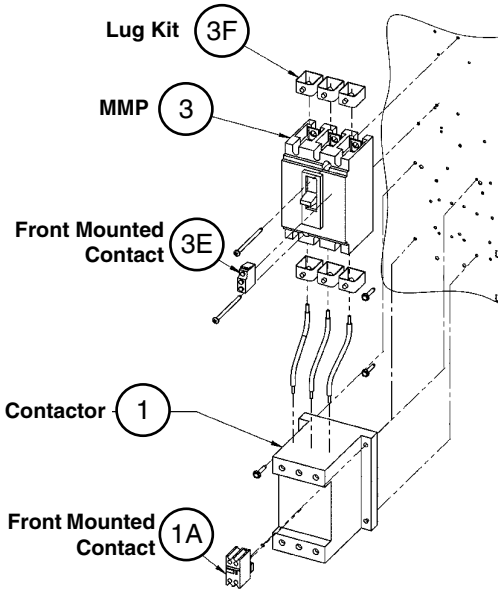


MMP1- 4 & M1- 4 Contactor Link Detail
460/575V

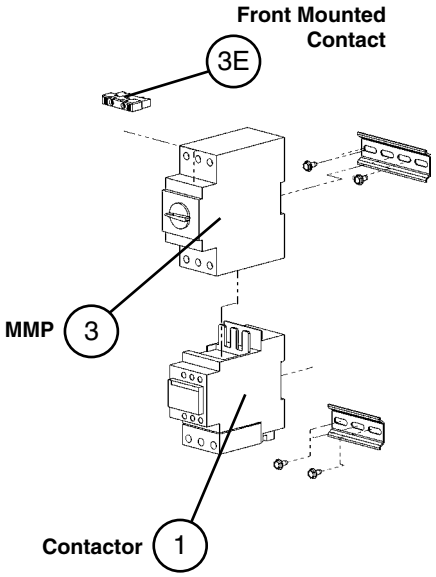
Ref No	Sch Sym	Part Description		Part Number	060,062		
					208/230V	460V	575V
		Compressor Contactors & Parts					
1	M1 - 4	Contactor- Compressor [1]	65A	193426823	4		
	M1 - 4	Contactor- Compressor	32A	349932322		4	4
		Compressor MMP's & Parts					
3	MMP1-4	Manual Motor Protector- Compr.		349934149	4		
		Manual Motor Protector- Compr.		349934055		4	
		Manual Motor Protector- Compr.		349934053			4
3B		Link		349932922		4	4
3E		Front Mounted Contact- 1NO		349933821	4	4	4

[1] In mid 2010 the original cabled Contactor became obsolete and no longer available. The replacement Contactor listed mounts directly to the MMP as shown in the above diagram. When replacing ANY part of an old assembly, a new Contactor and MMP MUST be ordered as new and old parts are not interchangeable.

Control Box
Compressor MMP1- 4 and Contactor M1- 4: (3/13 & Earlier)
Unit Size 068D



MMP1- 4 & M1- 4 Contactor Link Detail
208V

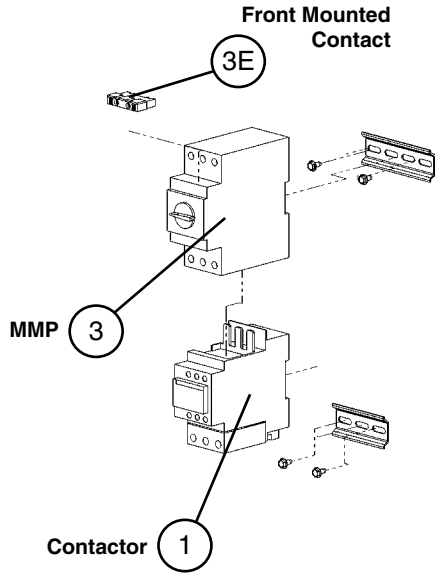


MMP1- 4 & M1- 4 Contactor Link Detail
230/460/575V

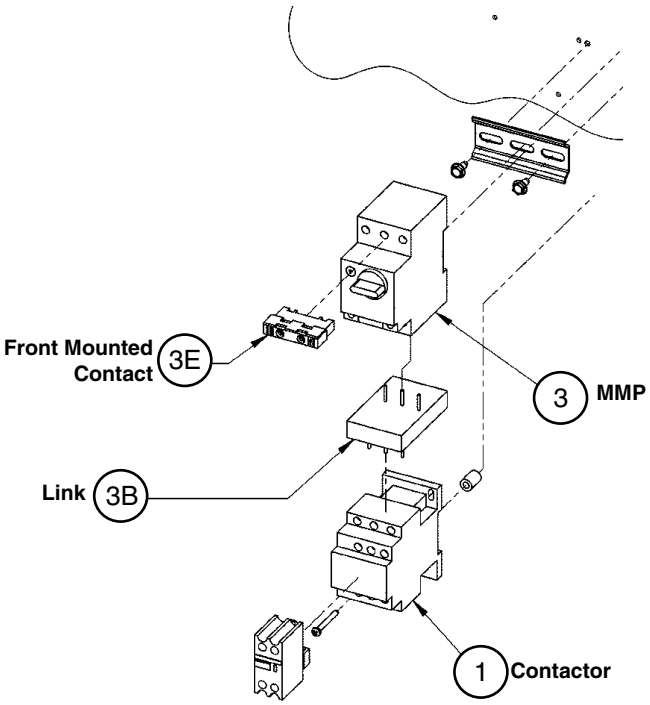
Ref No	Sch Sym	Part Description		Part Number	068			
					208V	230V	460V	575V
		Compressor Contactors & Parts						
1	M1 - 4	Contactor- Compressor	80A	349932621	4			
	M1 - 4	Contactor- Compressor [1]	65A	193426823		4		
	M1 - 4	Contactor- Compressor [1]	40A	193426821			4	4
		Compressor MMP's & Parts						
3	MMP1-4	Manual Motor Protector- Compr.		349938606	4			
		Manual Motor Protector- Compr.		349934149		4		
		Manual Motor Protector- Compr.		349934055			4	4
3E		Front Mounted Contact- 1NO		349933821		4	4	4
		Front Mounted Contact- 1NO		349938701	4			
3F		Lug Kit (3 lugs per kit)		349938801	8			

[1] In mid 2010 the original cabled Contactor became obsolete and no longer available. The replacement Contactor listed mounts directly to the MMP as shown in the above diagram. When replacing ANY part of an old assembly, a new Contactor and MMP MUST be ordered as new and old parts are not interchangeable.

Control Box
Compressor MMP1- 6 and Contactor M1- 6: (3/13 & Earlier)
Unit Size 070D, 072D



MMP1- 4 & M1- 4 Contactor Link Detail
208/230V

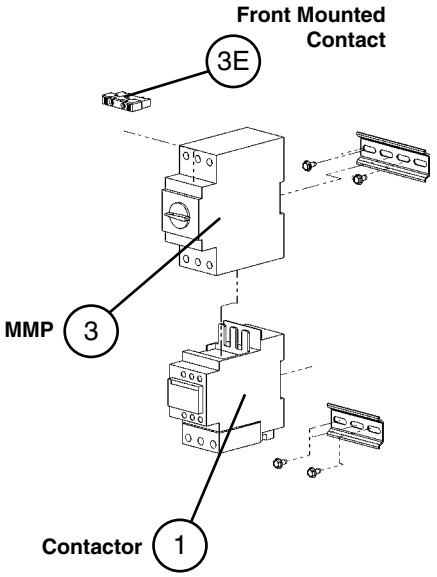


MMP1- 6 & M1- 6 Contactor Link Detail
460/575V

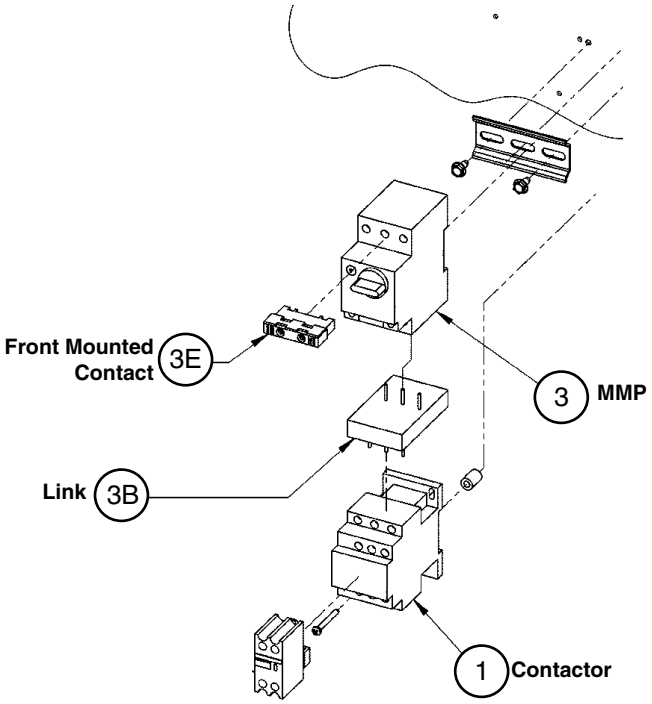
Ref No	Sch Sym	Part Description	Part Number	070, 072		
				208/230V	460V	575V
		Compressor Contactors & Parts				
1	M1 - 6	Contactor- Compressor [1] 50A	193426822	6		
	M1 - 6	Contactor- Compressor 25A	349932321		6	6
		Compressor MMP's & Parts				
3	MMP1-6	Manual Motor Protector- Compr.	349934148	6		
		Manual Motor Protector- Compr.	349934053		6	
		Manual Motor Protector- Compr.	349934052			6
3B		Link	349932922		6	6
3E		Front Mounted Contact- 1NO	349933821	6	6	6

[1] In mid 2010 the original cabled Contactor became obsolete and no longer available. The replacement Contactor listed mounts directly to the MMP as shown in the above diagram. When replacing ANY part of an old assembly, a new Contactor and MMP MUST be ordered as new and old parts are not interchangeable.

Control Box
Compressor MMP1- 6 and Contactor M1- 6: (3/13 & Earlier)
Unit Size 075D



MMP1- 4 & M1- 4 Contactor Link Detail
208/230V



MMP1- 6 & M1- 6 Contactor Link Detail
460/575V

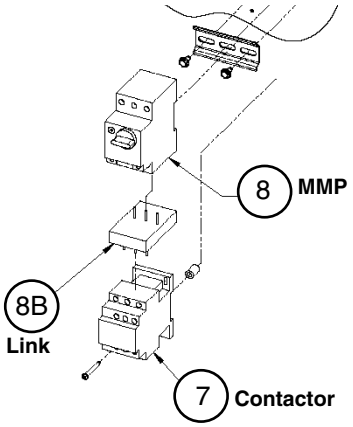
Ref No	Sch Sym	Part Description		Part Number	075		
					208/230V	460V	575V
		Compressor Contactors & Parts					
1		Contactor- Compressor [1]	65A	193426823	6		
	M1- 6	Contactor- Compressor	25A	349932321		6	6
		Compressor MMP's & Parts					
3	MMP1-6	Manual Motor Protector- Compr.		349934149	6		
		Manual Motor Protector- Compr.		349934053		6	
		Manual Motor Protector- Compr.		349934052			6
3B		Link		349932922		6	6
3E		Front Mounted Contact- 1NO		349933821	6	6	6

[1] In mid 2010 the original cabled Contactor became obsolete and no longer available. The replacement Contactor listed mounts directly to the MMP as shown in the above diagram. When replacing ANY part of an old assembly, a new Contactor and MMP MUST be ordered as new and old parts are not interchangeable.

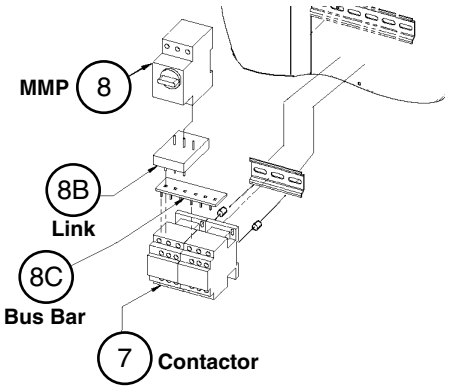
Control Box

Condenser Fan MMP12- 23, Contactors M12- 24, Fuses F11 & F21: (3/13 & Earlier) Speedtrol Units (Code 47= 2, 4)

MMP & Contactors Detail

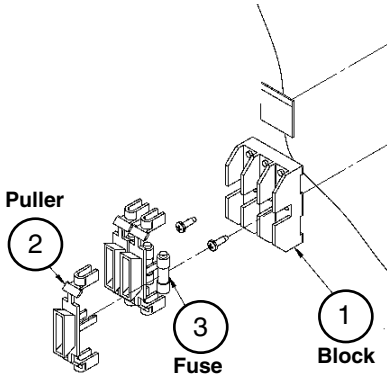


One Contactor Arrangement



Two Contactor Arrangement

Speedtrol Fuses

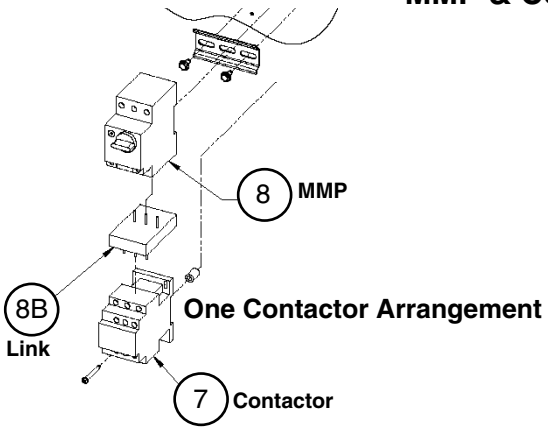


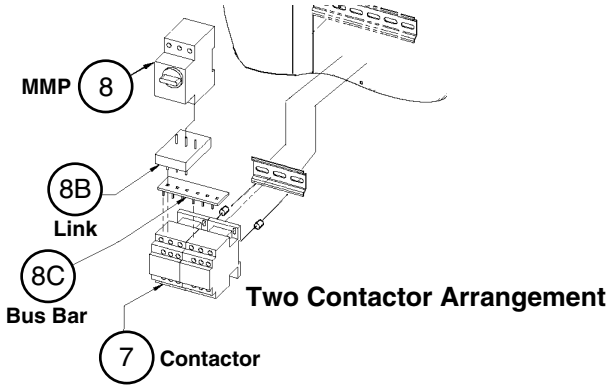
F11, F21

Ref No	Schematic Symbol	Part Description	Part Number	045- 060			062- 072			075		
				208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V
		Speedtrol Fusing										
1	F11, 21	Fuse Block	023780232	2	2	2	2	2	2	2	2	2
2		Fuse Cover/Puller	349938227	6	6	6	6	6	6	6	6	6
3	F11, 21	Fuse- Speedtrol	349937127	6			6			6		
		Fuse- Speedtrol	349937122		6			6			6	
		Fuse- Speedtrol	349937120			6			6			6
		Cond. Fan Contactors										
7	M12- 14											
	M22- 24	Contactor- Cond. Fan	349932121	2	2	2	4	4	4	6	6	6
		Fan MMP's & Parts										
8	MMP12	Manual Motor Protector	349934049	1			1			1		
		Manual Motor Protector	349934047		1	1		1	1		1	1
	MMP13	Manual Motor Protector	349934049				1				1	1
		Manual Motor Protector	349934047					1	1			
		Manual Motor Protector	349934050							1		
	MMP22	Manual Motor Protector	349934049	1			1			1		
		Manual Motor Protector	349934047		1	1		1	1		1	1
	MMP23	Manual Motor Protector	349934049				1				1	1
		Manual Motor Protector	349934047					1	1			
		Manual Motor Protector	349934050							1		
8B		Link- MMP	349932922	2	2	2	4	4	4	4	4	4
8C		Bus Bar	349934311							2	2	2

Control Box
Condenser Fan MMP11, 12, 13, 21, 22, 23 & Contactors M11- 24: (3/13 & Earlier) Fantrol Units (Code 47= 1, 3)

MMP & Contactors Detail





Ref No	Schematic Symbol	Part Description	Part Number	045- 060			062- 072			075		
				208/230V	460V	575V	208/230V	460V	575V	208/230V	460V	575V
		Cond. Fan Contactors										
7	M11- 14											
	M21- 24	Contactor- Cond. Fan	349932121	4	4	4	6	6	6	8	8	8
		Fan MMP's & Parts										
8	MMP11	Manual Motor Protector	349934049	1			1	1			1	1
		Manual Motor Protector	349934047		1	1			1			
		Manual Motor Protector	349934050							1		
	MMP12	Manual Motor Protector	349934049	1			1					
		Manual Motor Protector	349934047		1	1		1	1			
	MMP13	Manual Motor Protector	349934049				1				1	1
		Manual Motor Protector	349934047					1	1			
		Manual Motor Protector	349934050							1		
	MMP21	Manual Motor Protector	349934049	1			1	1			1	1
		Manual Motor Protector	349934047		1	1			1			
		Manual Motor Protector	349934050							1		
	MMP22	Manual Motor Protector	349934049	1			1					
		Manual Motor Protector	349934047		1	1		1	1			
	MMP23	Manual Motor Protector	349934049				1				1	1
		Manual Motor Protector	349934047					1	1			
		Manual Motor Protector	349934050							1		
8B		Link- MMP	349932922	4	4	4	6	6	6	4	4	4
8C		Bus Bar	349934311							4	4	4

Control Box
Components: (4/13 & Later)

Sch. Sym.	Part Description		Part Number	Qty.
	Switches- Control			
CS1, 2	Switch- Control- 1 Pole	Code 12= 1A	001355000	2
	Switch- Control- 2 Pole	Code 12= 2A	018446400	2
S2	Switch- System		001355000	1
	Receptacle			
REC2	Receptacle		039003600	1
	Relays			
R1, 2	Relay- Hi Pressure Reset		349934724 [2]	2
R5.1	Relay- Safety		349934724 [2]	1
R6.1	Relay- Safety		349934724 [2]	1
R7.1	Relay- Safety		349934724 [2]	1
R8.1	Relay- Safety		349934724 [2]	1
R11	Relay- Inverter AFD 11	Code 47= 2, 4	349934724 [2]	1
R13.1	Relay- Safety		349934724 [2]	1
R14.1	Relay- Safety		349934724 [2]	1
R17	Relay- Inverter AFD 21	Code 47= 2, 4	349934724 [2]	1
R31- R36	Relay- Compressor Contactor Staging	Code 12= 2A	339934722 [2]	1/comp
	Time Delays			
TD1, 2	Time Delay		193464401	2
	Temp. Controls			
TC12	Temperature Control- Fantrol		065498401	1
TC14	Temperature Control- Fantrol		065498401	1
	Ground Fault Protection			
GFR4	Ground Fault Relay- SPDT	Code 17= YG, YC	349937502	1
GFS4	Ground Fault Sensor	Code 17= YG, YC	349937407	1
	Phase Voltage Monitor			
PVM4	Phase Voltage Monitor			
	208/230/460V Units	Code 17= YP, YC	112022001	1
	575V Units	Code 17= YP, YC	112022002	1
	Plugs			
PL25-30	Plug- 12 Pin		349930405	1/comp
	Terminal Blocks			
TB1,3,5,6,8	Terminal Block		349930641 [1]	var.
	Transformers			
T1	Transformer- Main		[3]	
T9	Transformer- Secondary		349937203	1
	Speedtrol Inverters	**Code 47= 2**		
AFD11, 21	208/230V			
	Inverter	Code 23= **A, **B**	193552243 [4]	2
	Inverter	Code 23= **Q**	193475804 [5]	2
	460V			
	Inverter	Code 23= **A, **B**	193552293 [4]	2
	Inverter	Code 23= **Q**	193475821 [5]	2
	575V		193456301 [5]	2
	Speedtrol Line Reactors	**Code 47=2**		
LR11, 21	Line Reactor	Code 09= 37	073323552	2

[1] Part number is for one section. Quantity of sections varies with unit options. Ground Terminal is p/n 349930647. Jumpers for TB1 are p/n 349930945 (TB1A:5), 349930943 (TB1B:14), 349930942 (TB1C:20,TB1D:25 & TB1E:30).

[2] Each relay uses a socket p/n 349934822.

[3] See one page after next.

[4] The replacement VFD Keypad is p/n 300040924.

[5] For replacement VFD components, contact Daikin Applied with model and serial number information so that the correct part(s) can be identified.

Control Box
Components: (4/13 & Later), Continued

Sch. Sym.	Part Description		Part Number	Qty.
	Disconnect Switch [1]	**Code 11= A1, A2**		
DS4	Switch- Disconnect			
	Switch- 100A		193444703	1
	Handle		193422102	1
	Shaft [2]		193596420	1
	Switch- 150A		193585101	1
	Handle		193422102	1
	Mechanism		193550801	1
	Shaft [2]		193596420	1
	Lugs [4]		193553301	1
	Switch- 250A		193551601	1
	Handle		193595701	1
	Mechanism		193551001	1
	Shaft [3]		300049193	1
	Lugs [4]		193553801	1
	Switch- 400A		193551701	1
	Handle		193595701	1
	Mechanism		193551001	1
	Shaft [3]		300049193	1
	Lugs [4]		193554001	1
	Switch- 600A		193551801	1
	Handle		193595701	1
	Mechanism		193551001	1
	Shaft [3]		300049193	1
	Lugs [4]		193554101	2
PB41	**Power Block- Distribution (used with DS4)** [1]			
	100A- 400A DS4		030372785	1
	600A DS4		030372786	1
	Power Block- Main [1]	**Code 11= P1**		
PB4	Power Block	175A, 310A, 420A	030372785	1
	Power Block	760A	030372721	1
	Cover- Power Block	760A only	349938345	1

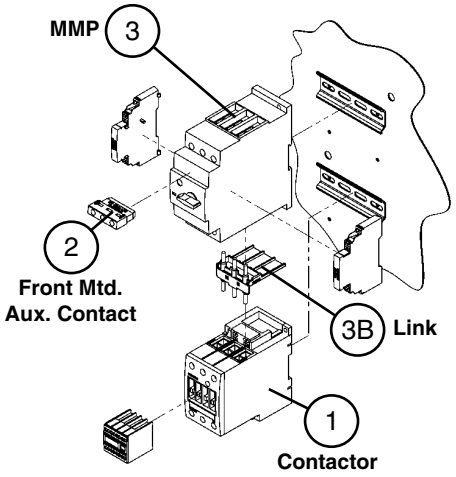
[1] Disconnects are sized according to various unit specifications. Check installed switch to verify the correct Disconnect size, or contact Daikin Applied with model and serial number information so that the required part(s) can be identified.
[2] This shaft is 14.25" OAL and is designed to be cut to length in the field.
[3] This shaft is 7.21" (183mm) OAL and is designed to be cut to length in the field. For a 19.69" (500mm) OAL use p/n 300040299.
[4] Three Lugs are included with each p/n.

Control Box
T1 Transformer and Fusing: (4/13 & Later)

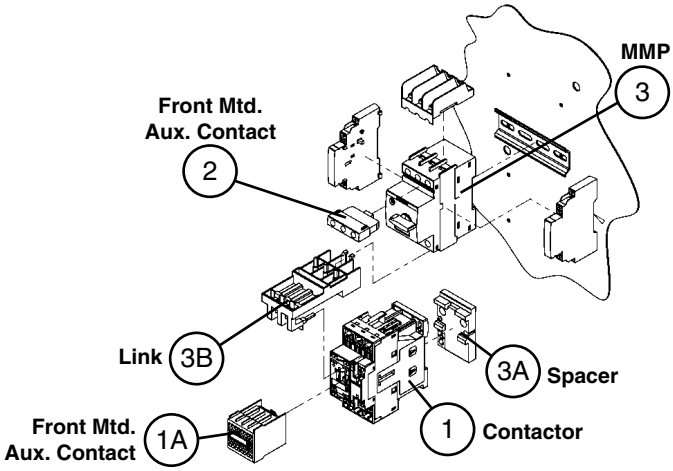
Sch. Sym.	Part Description	Part Number	208V	230V	460V	575V
T1	Transformer- Main	038253974 [1]	1			
	Transformer- Main	038253956 [1]		1	1	
	Transformer- Main	038253983 [1]				1
FU1A, B	Fuse- T1 Transformer, Primary	349937132	2			
	Fuse- T1 Transformer, Primary	349937131		2		
	Fuse- T1 Transformer, Primary	349937124			2	
	Fuse- T1 Transformer, Primary	349937129				2
FU1C	Fuse- T1 Transformer, Secondary	349937033	1	1	1	1
N/S	Cover- Fuse	349955901	1	1	1	1
N/S	Puller- Fuse	349955801	1	1	1	1

N/S= Not shown on diagram.

Control Box
Compressor MMP1- 4 and Contactor M1- 4: (4/13 & Later)
Unit Size 045D



MMP1- 4 & M1- 4 Contactor Link Detail
208/230/575V

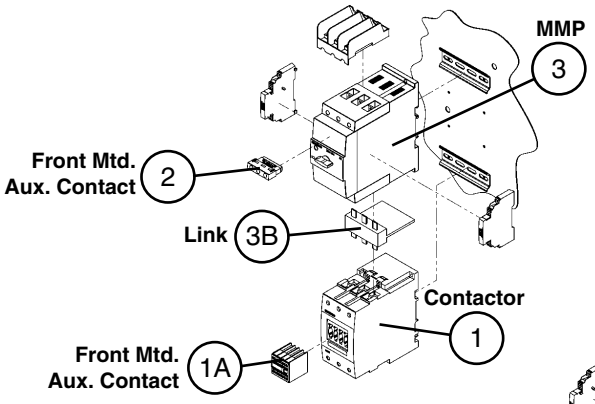


MMP1- 4 & M1- 4 Contactor Link Detail
460V

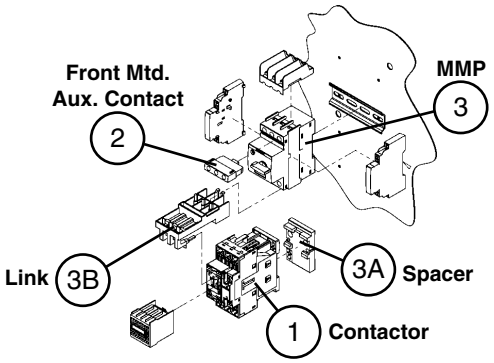
Ref No.	Sch Sym.	Part Description		Part Number	045 208v	045 230V	045 460V	045 575V
		Compressor Contactors & Parts						
1	M1- 4	Contactor- Compressor	40A	193591601	4	4		
		Contactor- Compressor	32A	193537305			4	
		Contactor- Compressor	25A	193598101				4
1A		Front Mounted Contact- 2NO- 2NC		193542701	4	4		4
		Compressor MMP's & Parts						
2		Front Mounted Contact- 2NO- 2NC		193546201	4	4		4
		Front Mounted Contact- 2NO- 2NC		193543801			4	
3	MMP1- 4	Motor Protector- Compressor	36- 45A	193543306	4			
		Motor Protector- Compressor	28- 40A	193543305		4		
		Motor Protector- Compressor	14- 20A	193543010			4	
		Motor Protector- Compressor	11- 16A	193543301				4
3B		Link		193547401	4	4		4
		Link		193546001			4	
N/S		Busbar		193546601	2	2		2
		Busbar		193544301			2	
N/S		Busbar Top Feed		193547201	2	2		2
		Busbar Top Feed		193545101			2	

N/S= Not Shown on Diagram.

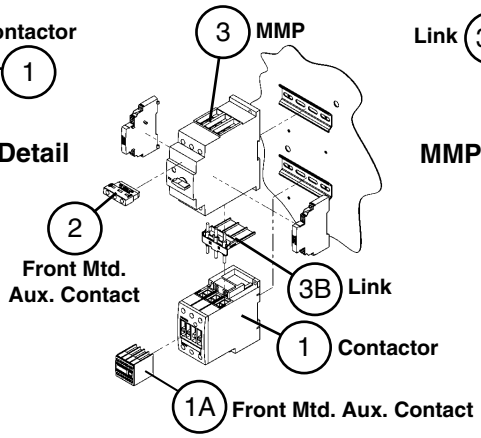
Control Box
Compressor MMP1- 4 and Contactor M1- 4: (4/13 & Later)
Unit Size 050D



MMP1- 4 & M1- 4 Contactor Link Detail
208/230V



MMP1- 4 & M1- 4 Contactor Link Detail
460V

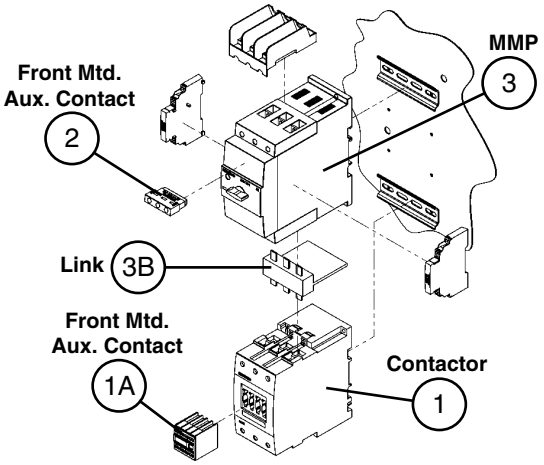


MMP1- 4 & M1- 4 Contactor Link Detail
575V

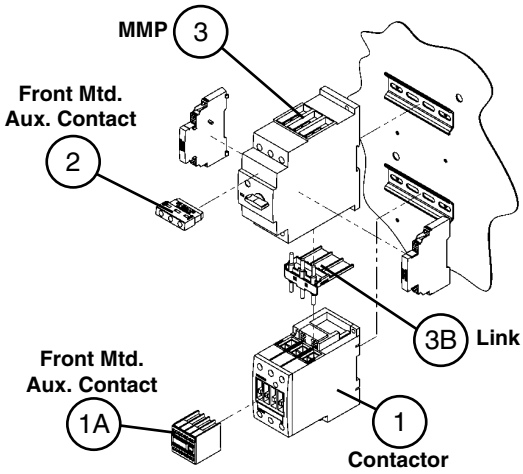
Ref No.	Sch Sym.	Part Description		Part Number	050			
					208V	230V	460V	575V
		Compressor Contactors & Parts						
1	M1- 4	Contactor- Compressor	65A	193591701	4	4		
		Contactor- Compressor	32A	193537305			4	
		Contactor- Compressor	25A	193598101				4
1A		Front Mounted Contact- 1NO- 1NC		193542701	4	4		4
		Compressor MMP's & Parts						
2		Front Mounted Contact- 1NO- 1NC		193546201	4	4		4
		Front Mounted Contact- 1NO- 1NC		193543801			4	
3	MMP1- 4	Motor Protector- Compressor	45- 63A	193543403	4	4		
		Motor Protector- Compressor	17- 22A	193543011			4	
		Motor Protector- Compressor	14- 20A	193543302				4
3B		Link		193547501	4	4		
		Link		193546001			4	
		Link		193547401				4
N/S		Busbar, 2 position		193544301			2	
		Busbar, 2 position		193546601				2
N/S		Busbar Top Feed		193545101			2	
		Busbar Top Feed		193547201				2

N/S= Not Shown on Diagram.

Control Box
Compressor MMP1- 4 and Contactor M1- 4: (4/13 & Later)
Unit Size 060D, 062D



MMP1- 4 & M1- 4 Contactor Link Detail
208/230V

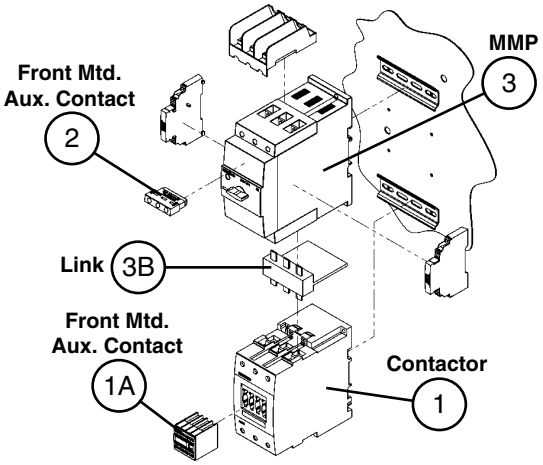


MMP1- 4 & M1- 4 Contactor Link Detail
460/575V

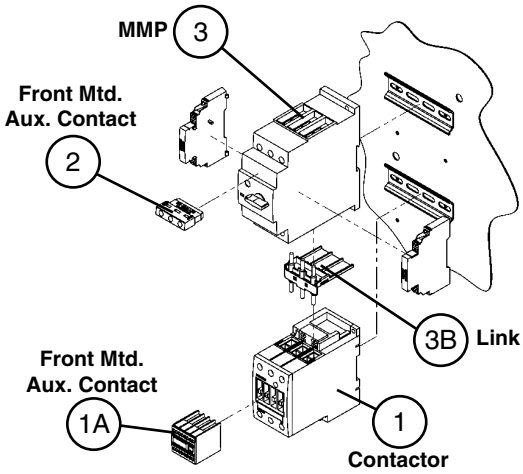
Ref No	Sch Sym	Part Description		Part Number	060, 062			
					208V	230V	460V	575V
		Compressor Contactors & Parts						
1	M1- 4	Contactor- Compressor	65A	193591701	4	4		
		Contactor- Compressor	40A	193591601			4	
		Contactor- Compressor	25A	193598101				4
1A		Front Mounted Contact- 1NO- 1NC		193542701	4	4	4	4
		Compressor MMP's & Parts						
2		Front Mounted Contact- 1NO- 1NC		193546201	4	4	4	4
3	MMP1- 4	Motor Protector- Compressor	45- 63A	193543403	4	4		
		Motor Protector- Compressor	22- 32A	193543304			4	
		Motor Protector- Compressor	18- 25A	193543303				4
3B		Link		193547501	4	4		
		Link		193547401			4	4
N/S		Busbar, 2 position		193546601			2	2
N/S		Busbar Top Feed		193547201			2	2

N/S= Not Shown on Diagram.

Control Box
Compressor MMP1- 4 and Contactor M1- 4: (4/13 & Later)
Unit Size 068D



MMP1- 4 & M1- 4 Contactor Link Detail
208/230V

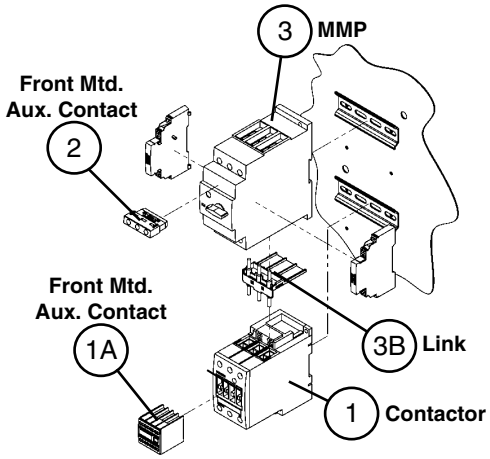


MMP1- 4 & M1- 4 Contactor Link Detail
460/575V

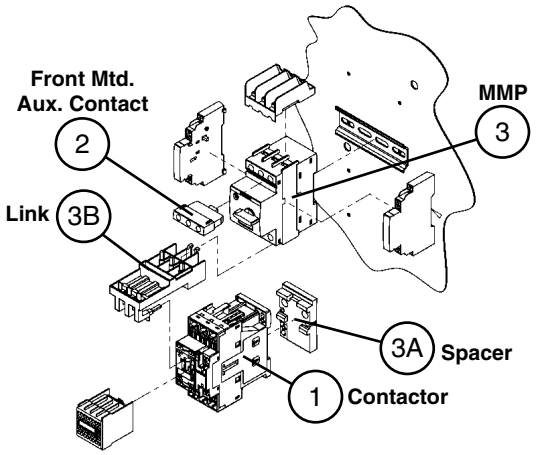
Ref No	Sch Sym	Part Description		Part Number	068			
					208V	230V	460V	575V
		Compressor Contactors & Parts						
1	M1- 4	Contactor- Compressor	65A	193591701	4	4		
		Contactor- Compressor	40A	193591601			4	
		Contactor- Compressor	32A	193598102				4
1A		Front Mounted Contact- 1NO- 1NC		193542701	4	4	4	4
		Compressor MMP's & Parts						
2		Front Mounted Contact- 1NO- 1NC		193546201	4	4	4	4
3	MMP1- 4	Motor Protector- Compressor	57- 75A	193543404	4			
		Motor Protector- Compressor	45- 63A	193543403		4		
		Motor Protector- Compressor	22- 32A	193543304			4	4
3B		Link		193547501	4	4		
		Link		193547401			4	4
N/S		Busbar, 2 position		193546601			2	2
N/S		Busbar Top Feed		193547201			2	2

N/S= Not Shown on Diagram.

Control Box
Compressor MMP1- 6 and Contactor M1- 6: (4/13 & Later)
Unit Size 070D, 072D



MMP1- 6 & M1- 6 Contactor Link Detail
208/230/575V

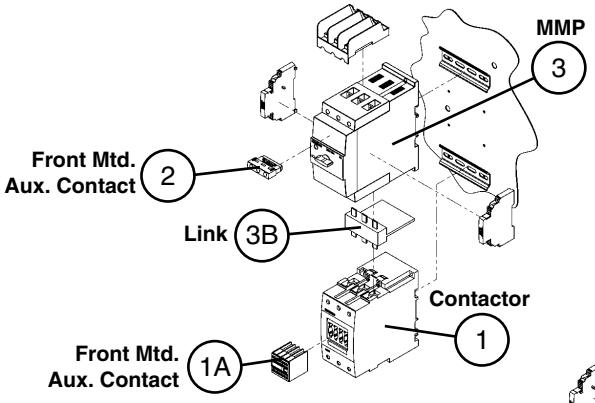


MMP1- 6 & M1- 6 Contactor Link Detail
460V

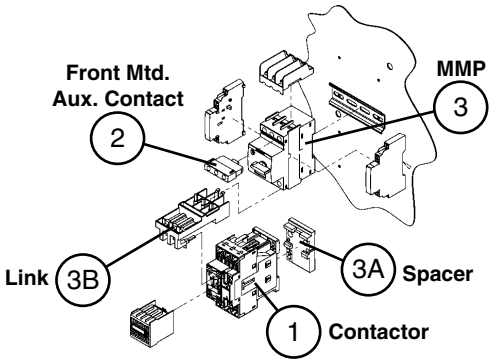
Ref No	Sch Sym	Part Description	Part Number	070, 072			
				208V	230V	460V	575V
		Compressor Contactors & Parts					
1	M1- 6	Contactor- Compressor 40A	193591601	6	6		
		Contactor- Compressor 32A	193537305			6	
		Contactor- Compressor 25A	193598101				6
1A		Front Mounted Contact- 1NO- 1NC	193542701	6	6		6
		Compressor MMP's & Parts					
2		Front Mounted Contact- 1NO- 1NC	193546201	6	6		6
		Front Mounted Contact- 1NO- 1NC	193543801			6	
3	MMP1- 6	Motor Protector- Compressor 36- 45A	193543306	6			
		Motor Protector- Compressor 28- 40A	193543305		6		
		Motor Protector- Compressor 14- 20A	193543010			6	
		Motor Protector- Compressor 11- 16A	193543301				6
3B		Link	193547401	6	6		6
		Link	193546001			6	
N/S		Busbar, 3 position	193546701	2	2		2
		Busbar, 3 position	193544401			2	
N/S		Busbar Top Feed	193547201	2	2		2
		Busbar Top Feed	193545101			2	

N/S= Not Shown on Diagram.

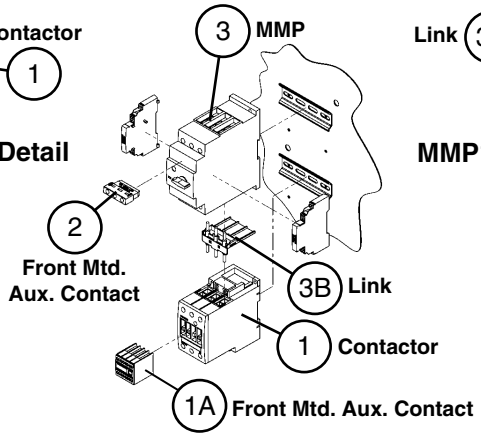
Control Box
Compressor MMP1- 6 and Contactor M1- 6: (4/13 & Later)
Unit Size 075D



MMP1- 6 & M1- 6 Contactor Link Detail
208/230V



MMP1- 6 & M1- 6 Contactor Link Detail
460V



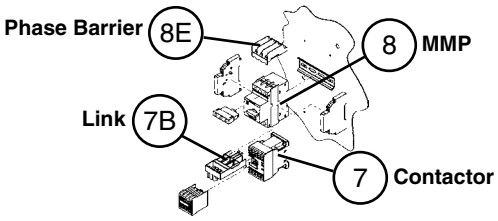
MMP1- 6 & M1- 6 Contactor Link Detail
575V

Ref No.	Sch Sym.	Part Description	Part Number	075			
				208V	230V	460V	575V
		Compressor Contactors & Parts					
1	M1- 6	Contactor- Compressor 65A	193591701	6	6		
		Contactor- Compressor 32A	193537305			6	
		Contactor- Compressor 25A	193598101				6
1A		Front Mounted Contact- 1NO- 1NC	193542701	6	6		6
		Compressor MMP's & Parts					
2		Front Mounted Contact- 1NO- 1NC	193546201	6	6		6
		Front Mounted Contact- 1NO- 1NC	193543801			6	
3	MMP1- 6	Motor Protector- Compressor 45- 63A	193543403	6	6		
		Motor Protector- Compressor 17- 22A	193543011			6	
		Motor Protector- Compressor 14- 20A	193543302				6
3B		Link	193547501	6	6		
		Link	193546001			6	
		Link	193547401				6
N/S		Busbar, 3 position	193544401			2	
		Busbar, 3 position	193546701				2
N/S		Busbar Top Feed	193545101			2	
		Busbar Top Feed	193547201				2

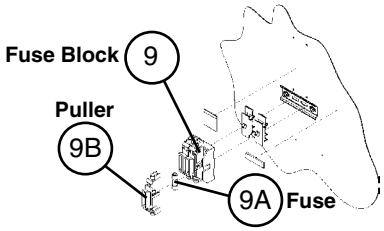
N/S= Not Shown on Diagram.

Control Box

Condenser Fan MMP12- 23, Contactors M12- 24, Fuses F11 & F21: (4/13 & Later) Speedtrol Units (Code 47= 2, 4)



MMP & Contactor Detail

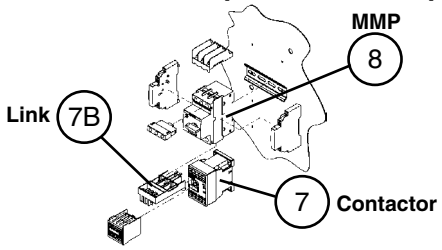


Speedtrol Fusing Detail

Ref No	Schematic Symbol	Part Description	Part Number	045- 060				062- 072				075			
				208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	46V	575V
		Speedtrol Fusing													
1	F11, 21	Fuse Block	023780232	2	2	2	2	2	2	2	2	2	2	2	2
2		Fuse Cover/Puller	349938227	6	6	6	6	6	6	6	6	6	6	6	6
3	F11, 21	Fuse- Speedtrol	349937127	6	6			6	6			6	6		
		Fuse- Speedtrol	349937122			6				6				6	
		Fuse- Speedtrol	349937120				6				6				6
		Cond. Fan Contactors													
7	M12 - 14														
	M22 - 24	Contactor- Cond. Fan	193534105	2	2	2	2	4	4	4	4	6	6	6	6
		Fan MMP's & Parts													
8	MMP12	Motor Protector	193542911	1				1				1			
		Motor Protector	193542910		1				1				1		
		Motor Protector	193542908			1				1				1	
		Motor Protector	193542907				1				1				1
	MMP13	Motor Protector	193542911					1				1			
		Motor Protector	193542910						1				1		
		Motor Protector	193542908							1				1	
		Motor Protector	193542907								1				1
	MMP14	Motor Protector	193542911									1			
		Motor Protector	193542910										1		
		Motor Protector	193542908											1	
		Motor Protector	193542907												1
	MMP22	Motor Protector	193542911	1				1				1			
		Motor Protector	193542910		1				1				1		
		Motor Protector	193542908			1				1				1	
		Motor Protector	193542907				1				1				1
	MMP23	Motor Protector	193542911					1				1			
		Motor Protector	193542910						1				1		
		Motor Protector	193542908							1				1	
		Motor Protector	193542907								1				1
	MMP24	Motor Protector	193542911									1			
		Motor Protector	193542910										1		
		Motor Protector	193542908											1	
		Motor Protector	193542907												1
8E		Phase Barrier	193545501	2	2	2	2								
N/S		Bus Bar, 2 Position	193544301					2	2	2	2				
		Bus Bar, 3 Position	193544401									2	2	2	2
N/S		Bus Bar Top Feed	193545101					2	2	2	2	2	2	2	2

N/S= Not Shown on Diagram.

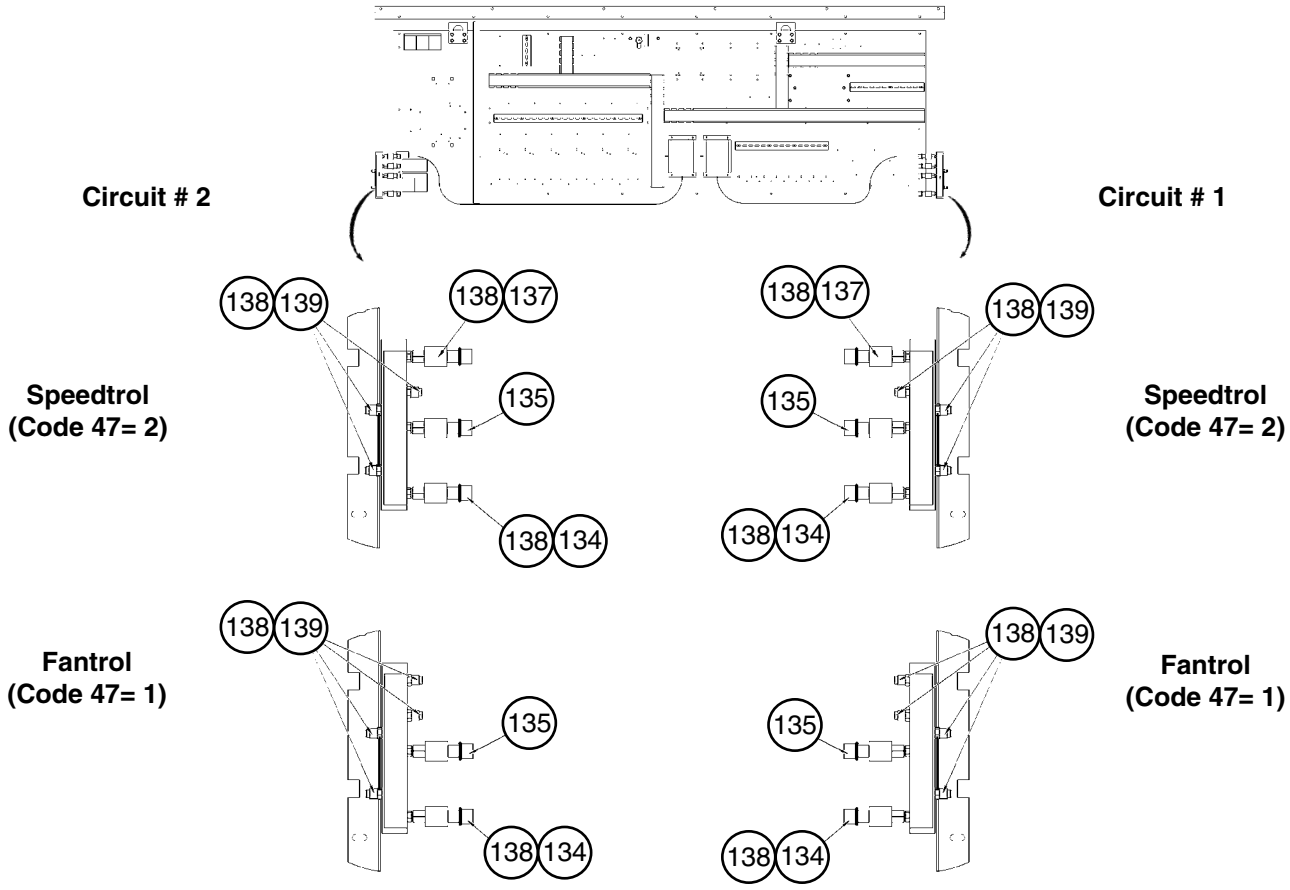
Control Box
Condenser Fan MMP11, 12, 13, 21, 22, 23 & Contactors M11- 24: (4/13 & Later) Fantrol Units (Code 47= 1)



Ref No	Schematic Symbol	Part Description	Part Number	045- 060				062- 071				075			
				208V	230V	460V	575V	208V	230V	460V	575V	208V	230V	460V	575V
		Cond. Fan Contactors													
7	M11 - 14														
	M21 - 24	Contactor- Cond. Fan	193534105	4	4	4	4	6	6	6	6	8	8	8	8
		Fan MMP's & Parts													
7B		Link- MMP	193545901	4	4	4	4	6	6	6	6	8	8	8	8
8	MMP11	Motor Protector	193542911	1				1				1			
		Motor Protector	193542910		1				1				1		
		Motor Protector	193542908			1				1				1	
		Motor Protector	193542907				1				1				1
	MMP12	Motor Protector	193542911	1				1				1			
		Motor Protector	193542910		1				1				1		
		Motor Protector	193542908			1				1				1	
		Motor Protector	193542907				1				1				1
	MMP13	Motor Protector	193542911					1				1			
		Motor Protector	193542910						1				1		
		Motor Protector	193542908							1				1	
		Motor Protector	193542907								1				1
	MMP14	Motor Protector	193542911									1			
		Motor Protector	193542910										1		
		Motor Protector	193542908											1	
		Motor Protector	193542907												1
	MMP21	Motor Protector	193542911	1				1				1			
		Motor Protector	193542910		1				1				1		
		Motor Protector	193542908			1				1				1	
		Motor Protector	193542907				1				1				1
	MMP22	Motor Protector	193542911	1				1				1			
		Motor Protector	193542910		1				1				1		
		Motor Protector	193542908			1				1				1	
		Motor Protector	193542907				1				1				1
	MMP23	Motor Protector	193542911					1				1			
		Motor Protector	193542910						1				1		
		Motor Protector	193542908							1				1	
		Motor Protector	193542907								1				1
	MMP24	Motor Protector	193542911									1			
		Motor Protector	193542910										1		
		Motor Protector	193542908											1	
		Motor Protector	193542907												1
N/S		Bus Bar, 2 Position	193544301	2	2	2	2								
		Bus Bar, 3 Position	193544401					2	2	2	2				
		Bus Bar, 4 Position	193544501									2	2	2	2
N/S		Bus Bar Top Feed	193545101	2	2	2	2	2	2	2	2	2	2	2	2

N/S= Not Shown on Diagram.

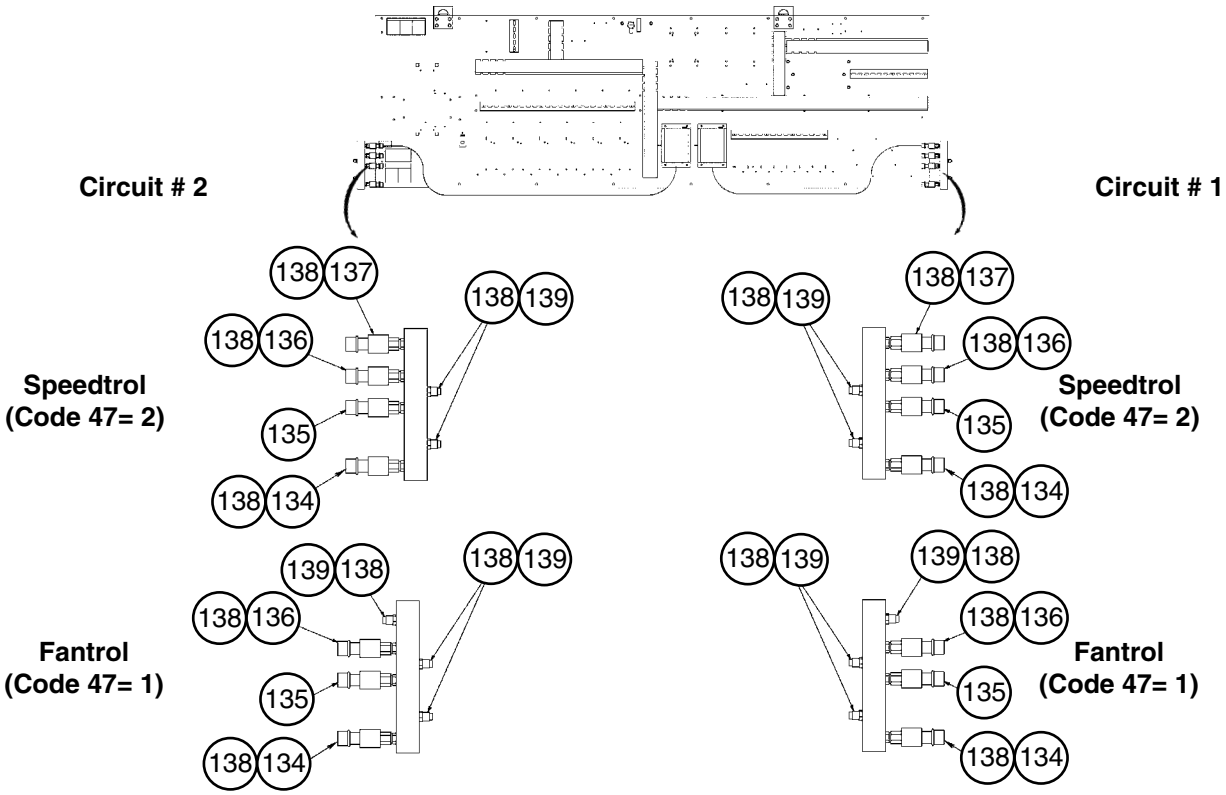
Control Box
Pressure Manifolds- 045 thru 068D
HP1, HP2, LP1, LP2, SPTRL



Ref No.	Sch. Sym.	Part Description		Part Number	Qty.
134	LP1, 2	Switch- Low Pressure			
		Fantrol Unit	Code 47= 1	403585101	2
		Speedtrol Unit	Code 47= 2	910139364 [1]	2
135	HP1, 2	Switch- High Pressure		403585001	2
137	SPTRL	Switch- Speedtrol Pressure	Code 47= 2	403586901	2
138		Valve Core		026541100	10
139		Valve Cap			
		Fantrol Unit	Code 47= 1	032943500	8
		Speedtrol Unit	Code 47= 2	032943500	6

[1] This Pressure Switch replaces a Switch with a lower pressure rating. P/N 910139364 has the currently recommended pressure ratings.

Control Box
Pressure Manifolds- 070 thru 075D
PC13, PC23, HP1, HP2, LP1, LP2, SPTRL

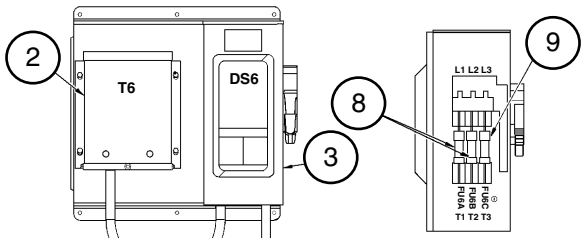


Ref No.	Sch. Sym.	Part Description		Part Number	Qty.
134	LP1, 2	Switch- Low Pressure			
		Fantrol Unit	(Code 47= 1)	403585101	2
		Speedtrol Unit	(Code 47= 2)	910139364 [1]	2
135	HP1, 2	Switch- High Pressure		403585001	2
136	PC13, 23	Switch- Fan Pressure		403585601	2
137	SPTRL	Switch- Speedtrol Pressure	(Code 47= 2)	403586901	2
138		Valve Core		026541100	10
139		Valve Cap			
		Fantrol Unit	(Code 47= 1)	032943500	6
		Speedtrol Unit	(Code 47= 2)	032943500	4

[1] This Pressure Switch replaces a Switch with a lower pressure rating. P/N 910139364 has the currently recommended pressure ratings.

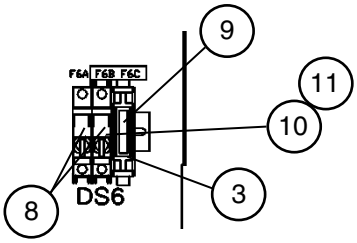
Control Box
Factory Supplied Line Voltage Box: Code 23= YYYFY
T6, DS6, FU6A, FU6B, FU6C

03/13 & Earlier



Ref. No.	Sch. Sym.	Part Description		Part Number	Voltage 208V	230V	460V	575V
2	T6	Transformer	2KVA	349987001	1			
		Transformer	2KVA	349987002		1	1	
		Transformer	2KVA	349987003				1
3	DS6	Disconnect Switch	30A/600V	349991901	1	1	1	1
8	FU6A,B	Fuse	20A/600V	193403711	2	2		
		Fuse	10A/600V	193403708			2	
		Fuse	8A/600V	193403707				2
9	FU6C	Fuse	20A/600V	193403711	1	1	1	1

04/13 & Later



Ref No	Sch Sym	Part Description		Part Number	Voltage 208V	230V	460V	575V
3	DS6	Fuse Holder/Circuit Protector	2P, 30A, 600V	193443801	1	1	1	1
8	FU6A,B	Fuse	20A/600V	349937135	2	2		
		Fuse	10A/600V	349937131			2	
		Fuse	8A/600V	349937129				2
9	FU6C	Fuse	20A/600V	349937135	1	1	1	1
10		Fuseblock	1P, 30A, 500V	023780223	1	1	1	1
11		Fuse Cover/Puller		349938227	[1]	[1]	[1]	[1]
N/S	T6	Transformer	2KVA	099477214	1			
		Transformer	2KVA	099477114		1	1	
		Transformer	2KVA	099477314				1
N/S		Finger Safe Cover Kit		099477602	1	1	1	1

N/S= Not Shown on Diagram.
[1] 1pc. PER Fuse.

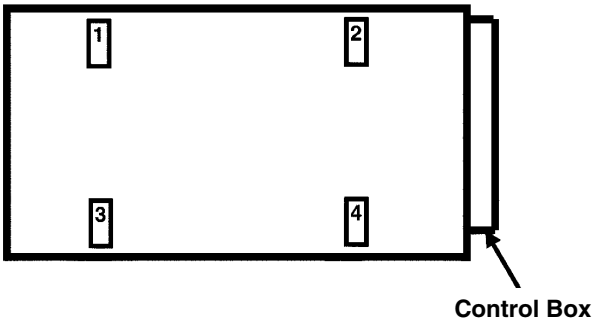
Tubing
Discharge & Liquid Shut Off Valves, Sight Glass, Filter Drier, Liquid Line Kit

Part Description		Part Number
Liquid Line Components [1]		
Sight Glass		015997806
Valve- Shut Off		049266501
Filter Drier- Sealed		021057426
Filter Drier- Replaceable Core		
Shell		019190500 (2)
Core		001360800 (4)
Discharge Line		
Valve- Shut Off	050, 060, 062, 068	113114501
Valve- Shut Off	070, 075	113114601
Liquid Line Kit (RCS Standalone) [1, 2]		193330711
Liquid Line Kit (RCS to RFS) [1, 2]		193330712

[1] Field installed accessory.

[2] Each Liquid Line Kit kit covers ONE circuit. To add Liquid Line components to BOTH circuits: order TWO kits. The RCS Standalone Kit includes a Solenoid Valve, Replaceable Core Filter Drier, Sight Glass, and Instructions. The RCS to RFS Kit contains all the previously mentioned parts except for the Solenoid Valve. In either case, any additional piping required is field supplied.

Vibration Isolators [3]



Ref. No.	Part Description		Part Number	045	050	062	068	070, 072	075
1	Isolator	Dark Purple	332620600	1	1	1	1		
	Isolator	Dark Green	332620800					1	1
2	Isolator	Dark Green	332620800	1	1	1	1		
	Isolator	Gray	332620900					1	1
3	Isolator	Dark Purple	332620600	1	1	1	1		
	Isolator	Dark Green	332620800					1	1
4	Isolator	Dark Green	332620800	1	1	1	1		
	Isolator	Gray	332620900					1	1

[3] Field installed accessory.